



# Course Specification

## (Bachelor)

Course Title: Introduction to Interior Design I

Course Code: IDE 101/ IDE 101P

Program: Interior Design Engineering

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> Version

Last Revision Date: 1 December 2024



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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3 (3, 0, 5)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 1<sup>st</sup> level, 1<sup>st</sup> year

#### 4. Course General Description:

Introduction to Interior Design 1 offers a comprehensive introduction to the field, blending technical and creative skills. The course begins by establishing a strong foundation in technical drawing, focusing on the creation of various views with precise layout, dimensioning, and industry-standard conventions. This technical training equips students with the essential tools for visualizing and communicating design ideas. The curriculum then transitions to the core principles of interior design, exploring fundamental concepts such as space planning, functionality, ergonomics, and aesthetics. Students will be introduced to a range of historical and contemporary design styles, along with the elements and principles of design (line, form, color, texture, pattern, balance, rhythm, emphasis). These concepts will be applied practically through a culminating project: the design of a residential studio apartment. This project requires students to integrate their newly acquired technical drawing skills with their developing design sensibilities, producing a comprehensive design proposal that includes floor plans, furniture layouts, material selections, color palettes, and visual presentations. This course provides a solid foundation for further studies in interior design, equipping students with the essential skills and knowledge to begin their design journey.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requisites for this course (if any):

None

#### 7. Course Main Objective(s):

The main objectives of Introduction to Interior Design 1 are to:

- Develop technical drawing proficiency (views, sections, etc.).
- Introduce core design principles, styles, and elements.
- Integrate technical and creative skills through a residential studio design project.



- Develop design communication skills and build a foundation for further study.

## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 75            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

## 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 15            |
| 2.    | Laboratory/Studio | 60            |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 75            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                 | Assessment Methods                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                                  |                                       |                                                                     |                                                          |
| 1.1  | Recognize the different rules of technical drawing and the perspective of an object (layout, orthographic projection, dimensioning, section) | K4                                    | Interactive Lecture, Illustrative Example, Practical implementation | Direct: drawing exercises and Exams<br>Indirect: surveys |



| Code | Course Learning Outcomes                                                                                                                                          | Code of PLOs aligned with the program | Teaching Strategies                                                  | Assessment Methods                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1.2  | Recognize the program and the process of designing the interior of a residential building, the ergonomics and their role in defining the interior space planning. | K4                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys |
| 1.3  | Distinguish different styles of interior design and their characteristics and the different materials of finishes and furnishings                                 | K4                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys |
| 2.0  | Skills                                                                                                                                                            |                                       |                                                                      |                                                                                   |
| 2.1  | Apply all the basic vocabularies of visual perception, the elements and principles of design in two/ three-dimensional design solutions                           | S1                                    | Illustrative Examples, Practical implementation                      | <b>Direct:</b> drawing exercises and Exams<br><b>Indirect:</b> surveys            |
| 2.2  | Create a small residential project design to ensure proper space organization                                                                                     | S1                                    | Illustrative Examples, Practical implementation                      | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys |
| 2.3  | Use Ergonomics and Anthropometrics to design project to ensure proper space organization and effective layout.                                                    | S1                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys |
| 3.0  | Values, autonomy, and responsibility                                                                                                                              |                                       |                                                                      |                                                                                   |
| 3.1  | Adjusts time and project management skills to reduce stress                                                                                                       | V1                                    | Practical implementation                                             | <b>Direct:</b> Weekly progress of                                                 |



| Code | Course Learning Outcomes                                                                           | Code of PLOs aligned with the program | Teaching Strategies                | Assessment Methods                                                                   |
|------|----------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|
|      | and achieve a better product.                                                                      |                                       |                                    | project and juries<br><b>Indirect:</b><br>surveys                                    |
| 3.2  | Follows up criticism and comments to develop projects without compromising their ideas or concept. | V1                                    | feedback in critiques and tutorial | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b><br>surveys |

### C. Course Content

| No  | List of Topics                                                                                           | Contact Hours |
|-----|----------------------------------------------------------------------------------------------------------|---------------|
| 1.  | Introduction for engineering drawing (theoretical)                                                       | 1             |
| 2.  | Orthographic projection lecture (theoretical)                                                            | 1             |
| 3.  | Practical Applications of Orthographic projection during the Studio Works. (practical)                   | 4             |
| 4.  | Dimensioning lecture (theoretical)                                                                       | 1             |
| 5.  | Practical applications of Dimensioning during the studio works (practical)                               | 8             |
| 6.  | Sectioning lecture (theoretical)                                                                         | 1             |
| 7.  | Practical applications of sectioning during the studio works. (practical)                                | 8             |
| 8.  | Front perspective lecture (theoretical)                                                                  | 1             |
| 9.  | Practical applications of Front perspective during the studio works. (practical)                         | 8             |
| 10. | Introduction to the design of residential spaces across a limited area (theoretical)                     | 1             |
| 11. | Collecting anthropometric data for residential design, Research Submission and Presentation. (practical) | 4             |
| 12. | Design Concept, Design styles, Design program : mood board lecture (theoretical)                         | 2             |
| 13. | Practical applications of mood board during the studio works (practical)                                 | 8             |
| 14. | Zoning and bubble diagram lecture (theoretical)                                                          | 1             |
| 15. | Practical applications of Zoning and bubble diagram during the studio works. (practical)                 | 4             |
| 16. | Architectural plan lecture (theoretical)                                                                 | 1             |
| 17. | Practical applications of architectural plan during the studio works. (practical)                        | 4             |
| 18. | Furniture plan lecture (theoretical)                                                                     | 1             |
| 19. | Practical applications of Furniture plan during the studio works. (practical)                            | 8             |





|       |                     |    |
|-------|---------------------|----|
| 20.   | Manual presentation | 8  |
| Total |                     | 75 |

## D. Students Assessment Activities

| No | Assessment Activities *                          | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|--------------------------------------------------|--------------------------------|--------------------------------------|
| 1. | Participation                                    | Weekly                         | 5%                                   |
| 2. | Research presentation                            | 9 <sup>th</sup> week           | 5%                                   |
| 3. | Drawing exercises and weekly progress of project | Weekly                         | 50%                                  |
| 4. | Midterm Exam (Jury)                              | 8 <sup>th</sup> week           | 20%                                  |
| 5. | Final Exam (Jury)                                | 16 <sup>th</sup> week          | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                      |                                                                                                                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References | <b>Book1:</b><br>Title: Elements of Style: Designing a Home & a Life<br>Hardcover – Illustrated, October 7, 2014<br>Author: Erin Gates<br>ISBN-10 9781476744872<br>ISBN-13 978-1476744872                                                                   |
|                      | <b>Book2:</b><br>Title: Construction Drawings and Details for Interiors<br>Authors: Rosemary Kilmer and W Otie Kilmer<br>Publisher : Wiley; 4th ed. edition (5 October 2021)<br>Paperback : 480 pages<br>ISBN-10 : 1119714346<br>ISBN-13 : 978-1119714347   |
|                      | <b>Book3:</b><br>Title: New York School of Interior Design: Home: The Foundations of Enduring Spaces<br>Author: Ellen S. Fisher, Jen Renzi, Alexa Hampton<br>Publisher: Clarkson Potter (27 March 2018)<br>ISBN-10 : 0804137196<br>ISBN-13 : 978-0804137195 |
|                      | <b>Book4:</b><br>Title: Residential Interior Design: A Guide to Planning Spaces<br>Author: Maureen Mitton<br>Publisher: John Wiley & Sons Inc; 4th ed. edition (28 January 2022)<br>Paperback: 304 pages                                                    |



|                                 |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | ISBN-10: 1119653428<br>ISBN-13: 978-1119653424                                                                                                                                                                                                                                                                                                                                    |
| <b>Supportive References</b>    | Interactive furniture layout using interior design guidelines, ACM Transactions on Graphics Volume 30 Issue 4 July 2011 Article No.: 87 pp 1–10 <a href="https://doi.org/10.1145/2010324.1964982">https://doi.org/10.1145/2010324.1964982</a>                                                                                                                                     |
| <b>Electronic Materials</b>     | -UOH Electronic library<br>-UOH Blackboard Learning Management System                                                                                                                                                                                                                                                                                                             |
| <b>Other Learning Materials</b> | - <a href="https://www.archdaily.com/">https://www.archdaily.com/</a><br>- <a href="https://www.pinterest.com/CPC3/interior-design/">https://www.pinterest.com/CPC3/interior-design/</a><br>- <a href="https://rocheledecorating.com.au/14-most-popular-interior-design-styles-explained/">https://rocheledecorating.com.au/14-most-popular-interior-design-styles-explained/</a> |

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                                                |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample natural and artificial light. |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | -Instructor computer linked to a projector and screen Internet connection                                                |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Space to present projects on walls or partitions                                                                         |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of Students assessment        | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |







# Course Specification

## (Bachelor)

Course Title: History of Interior Design I

Course Code: IDE 151

Program: Interior design Engineering

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> Version

Last Revision Date: 1 December 2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 2 (2,0,0)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

#### 3. Level/year at which this course is offered:

#### 4. Course General Description:

This course explores the comparative analysis of architecture and art from ancient civilizations to the Romanian Civilization. It defines key concepts like "art" and "civilization," highlighting their differences.

The course traces the origins of primitive art and follows the development of various civilizations, examining the factors influencing their growth and the relationship between art and cultural beliefs.

Beginning with Early Shelters and Mesopotamia, it covers civilizations such as the Sumerians, Babylonians, and Assyrians, and progresses to Ancient Egyptian, Greek, Roman and Byzantine cultures. Key topics include architecture, interior design, painting, and sculpture from these periods.

#### 5. Pre-requirements for this course (if any): None

#### 6. Co-requisites for this course (if any): None

#### 7. Course Main Objective(s):

This course explores architecture from early civilizations to the Middle Ages, focusing on the evolution of styles and the contextual factors that define each period's architecture.

Students will learn how internal architecture evolved across different eras, shaped by human interaction with the environment. The course uses web-based materials, videos, and slide-based exams for visual learning.



By the end, students will be able to analyze and research key artworks, understand the factors influencing each civilization's architecture, and grasp the chronology of ancient civilizations and their architectural milestones.

## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 30            | 30%        |
| 2  | E-learning                                                                                         |               | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               | -          |
| 4  | Distance learning                                                                                  |               | -          |

## 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 30            |
| 2.    | Laboratory/Studio | -             |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 30            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                            | Code of PLOs aligned with the program | Teaching Strategies                                       | Assessment Methods                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                         |                                       |                                                           |                                                                           |
| 1.1  | Examine and distinguish the art, architecture, and interior design including furniture styles types in different ages, from origins | K4                                    | Lectures<br>Individual and collective practical exercises | Exams, Quizzes, Essays, students' presentations and research assignments. |



| Code       | Course Learning Outcomes                                                                                                                                                   | Code of PLOs aligned with the program | Teaching Strategies                                            | Assessment Methods                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|
|            | to the industrial revolution.                                                                                                                                              |                                       |                                                                |                                                                           |
| 1.2        | Recognize the relationship of economic, social, political, and religious influences in the designed environment.                                                           | K4                                    | Lectures Individual and collective practical exercises         | Exams, Quizzes, Essays, students' presentations and research assignments. |
| 1.3        | Interpret and apply historic design styles to contemporary interior environment settings.                                                                                  | K4                                    | Lectures Individual and collective practical exercises.        | Exams, Quizzes, Essays, students' presentations and research assignments. |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                                              |                                       |                                                                |                                                                           |
| 2.1        | Analysis and compare techniques and beauty value for arts in different civilizations.                                                                                      | S1                                    | Lectures, discussions, Illustrative Examples and Presentation. | Exams, Quizzes, Essays, students' presentations and research assignments. |
| 2.2        | Develop self-directed learning skills through reading, research, oral presentation and written report then engage in debates and class discussion to enrich the knowledge. | S4                                    | Lectures, discussions, Illustrative Examples and Presentation  | Exams, Quizzes, Essays, students' presentations and research assignments  |
| 2.3        | Practice proper referencing in research assignments to avoid plagiarism.                                                                                                   | S5                                    | Lectures, discussions, Illustrative Examples and Presentation  | Exams, Quizzes, Essays, students' presentations and research assignments  |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                                                |                                       |                                                                |                                                                           |
| 3.1        | Demonstrate responsibility for self-                                                                                                                                       | V1                                    | Lectures, discussion,                                          | Exams, Quizzes,                                                           |





| Code | Course Learning Outcomes                                      | Code of PLOs aligned with the program | Teaching Strategies                                   | Assessment Methods                                        |
|------|---------------------------------------------------------------|---------------------------------------|-------------------------------------------------------|-----------------------------------------------------------|
|      | learning by using of the tools of search for new information. |                                       | feedback in critiques and tutorials, research project | Essays, students' presentations, and research assignments |

### C. Course Content

| No    | List of Topics                                                       | Contact Hours |
|-------|----------------------------------------------------------------------|---------------|
| 1.    | Primitive art and prehistoric architecture.                          | 4             |
| 2.    | Mesopotamian civilization- Architecture, and Art.                    | 2             |
| 3.    | Ancient Near East: Samaritans, Babylonians, Assyrians.               | 2             |
| 4.    | Ancient Egyptian Civilization-Architecture and Art in Ancient Egypt. | 4             |
| 5.    | General review and exercises -Quarterly evaluations.                 | 2             |
| 6.    | Greek civilization- Architecture and art of the Greeks.              | 4             |
| 7.    | The Romanian Civilization-Roman architecture and Art                 | 4             |
| 8.    | Byzantine civilization- Architecture and Byzantine Art               | 4             |
| 9.    | Research and students work -control Audiovisual presentations        | 2             |
| 10.   | Midterm, Final revision                                              | 2             |
| Total |                                                                      | 30            |

### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no)    | Percentage of Total Assessment Score |
|----|-------------------------|-----------------------------------|--------------------------------------|
| 1. | Participation           | Weekly                            | 5%                                   |
| 2. | Homework                | Periodically                      | 15%                                  |
| 3. | Presentation            | 11 <sup>th</sup> week             | 5%                                   |
| 4. | quizzes                 | 4 <sup>th</sup> & 9 <sup>th</sup> | 10%                                  |
| 5. | Midterm Exam            | 8 <sup>th</sup> week              | 25%                                  |
| 6. | Final Exam              | 17 <sup>th</sup> week             | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

### E. Learning Resources and Facilities

#### 1. References and Learning Resources





|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>     | <p>Book 1<br/>Title: "History of Interior Design and Furniture: From Ancient Egypt to Nineteenth-Century Europe "Author: Robbie G. Blakemore Publisher: Wiley; 2 edition (November 25, 2005) ISBN-13: 978-0471464334</p>                                                                                                                                                                                                                                                                                                           |
| <b>Supportive References</b>    | <p>Book 1:<br/>Title:" History of Interior design" Author : Jeannie Ireland Publisher: Fairchild Pubns, 2009 ISBN-13: 978-1563674624</p> <p>Book 2:<br/>Title: "A History of Architecture" Author: Sir Banister Fletcher Publisher: The Butterworth Group, London. 1996 (Expanded edition) ISBN 0-408-01587-X. LC 86-31761. NA200.F63 1987</p> <p>Book 3:<br/>Architecture and Interior Design: An Integrated History to the Present by Bridget May, Buie Harwood and Curt Sherman (2011, Hardcover) · ISBN-13: 978-0135093573</p> |
| <b>Electronic Materials</b>     | <ol style="list-style-type: none"> <li>1. Khan Academy - Art History &amp; Architecture<br/>Link: <a href="https://www.khanacademy.org/humanities/art-history">https://www.khanacademy.org/humanities/art-history</a></li> <li>2. The Art Story - Modern Art Movements<br/>Link: <a href="https://www.theartstory.org/">https://www.theartstory.org/</a></li> <li>3. Google Arts &amp; Culture - Architecture<br/>Link: <a href="https://artsandculture.google.com/">https://artsandculture.google.com/</a></li> </ol>             |
| <b>Other Learning Materials</b> | <p>Other learning material such as computer-based programs/CD, professional and software (PowerPoint AutoCAD- Arch cad – Photoshop)</p>                                                                                                                                                                                                                                                                                                                                                                                            |

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                                                    |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Classrooms equipped for lectures -Laboratory of Applied Works: 1-A lecture room equipped with suitable seats for 25 students |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | Regular office equipment CDs Printers and plotters                                                                           |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | None                                                                                                                         |



## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of Students assessment        | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Introduction to Interior Design II

Course Code: IDE 102/ IDE 102 P

Program: Interior Design Engineering Program

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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| D. Students Assessment Activities: .....                                              | 6 |
| E. Learning Resources and Facilities:.....                                            | 7 |
| F. Assessment of Course Quality: .....                                                | 8 |
| G. Specification Approval Data:.....                                                  | 8 |





## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3, 1, 5)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 2<sup>nd</sup> level, 1<sup>st</sup> year

#### 4. Course General Description:

This studio addresses problem solving, program analysis and space planning in the context of renovation of an existing residential building for better utilization. Emphasis is placed on human factors, three-dimensional spatial development, design language and composition, furniture, fixtures, equipment, and color with respect to user needs, including anthropometrics, ergonomics, psychological and social aspects which influence the use and planning of interior spaces.

To achieve a creative functional design, the students will start with coherent research, create well-designed spaces (include floors, walls and ceilings), then work on the details to be a better problem solver. The studio emphasizes a hands-on approach to design, fostering creativity and problem-solving skills through manual drawing and rendering.

#### 5. Pre-requirements for this course (if any):

IDE 101

#### 6. Co-requirements for this course (if any):

IDE 102P/IDE 102

#### 7. Course Main Objective(s):

This course aims to teach the students how to do design analysis, set standards according to data, calculate area program and finally to generate new ideas to create successful designs, space arrangement, and organization.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 75            | 100%       |
| 2  | E-learning            |               | -          |
| 3  | Hybrid                |               | -          |



| No | Mode of Instruction                                                                         | Contact Hours | Percentage |
|----|---------------------------------------------------------------------------------------------|---------------|------------|
|    | <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                           |               | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 15            |
| 2. | Laboratory/Studio     | 60            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 75            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                                   | Code of PLOs aligned with the program | Teaching Strategies                                                  | Assessment Methods                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                |                                       |                                                                      |                                                                                   |
| 1.1  | Explain the principal theories, concepts and terminology for residential spaces design.                                    | K2                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys |
| 1.2  | Identify the different perspectives and approaches that support residential of interior design and helping its development | K4                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys |
| 1.3  | Recognize the universal technical data that are relevant to making                                                         | K4                                    | Interactive Lecture, Illustrative                                    | <b>Direct:</b> Weekly progress of                                                 |





| Code       | Course Learning Outcomes                                                                                                               | Code of PLOs aligned with the program | Teaching Strategies                                                  | Assessment Methods                                                                   |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|            | appropriate design decisions.                                                                                                          |                                       | Examples, Practical implementation                                   | project, and juries<br><b>Indirect:</b><br>surveys                                   |
| <b>2.0</b> | <b>Skills</b>                                                                                                                          |                                       |                                                                      |                                                                                      |
| 2.1        | Apply all the basic vocabularies of visual perception, the elements and principles of design in two/three-dimensional design solutions | <b>S1</b>                             | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> drawing exercises and Exams.<br><b>Indirect:</b><br>surveys           |
| 2.2        | Create a small residential project design to ensure proper space organization                                                          | <b>S1</b>                             | Illustrative Examples, Practical implementation                      | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b><br>surveys |
| 2.3        | Use Ergonomics and Anthropometrics to design project to ensure proper space organization and effective layout.                         | <b>S1</b>                             | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b><br>surveys |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                            |                                       |                                                                      |                                                                                      |
| 3.1        | Use time and project management skills to reduce stress and achieve a better product.                                                  | <b>V1</b>                             | Practical implementation                                             | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b><br>surveys |
| 3.2        | Use criticism and feedback on the project to develop projects without compromising their ideas or concept.                             | <b>V1</b>                             | Feedback critiques in and tutorial                                   | <b>Direct:</b> Weekly progress of project, and juries                                |



| Code | Course Learning Outcomes | Code of PLOs aligned with the program | Teaching Strategies | Assessment Methods   |
|------|--------------------------|---------------------------------------|---------------------|----------------------|
|      |                          |                                       |                     | Indirect:<br>surveys |

### C. Course Content:

| No    | List of Topics                                                                                           | Contact Hours |
|-------|----------------------------------------------------------------------------------------------------------|---------------|
| 1.    | Introducing building rehabilitation for residential (villa) (theoretical)                                | 1             |
| 2.    | Human factors, psychological and social aspects in residential buildings (theoretical)                   | 1             |
| 3.    | Collecting anthropometric data for residential design, Research Submission and Presentation. (practical) | 4             |
| 4.    | Design Concept, Design styles, Design program : mood board lecture for villa (theoretical)               | 1             |
| 5.    | Practical applications of mood board during the studio works (practical)                                 | 8             |
| 6.    | Zoning and bubble diagram : practical applications during the studio works (practical)                   | 4             |
| 7.    | Architectural plan : practical applications during the studio works. (practical)                         | 8             |
| 8.    | Furniture plan : practical applications during the studio works. (practical)                             | 8             |
| 9.    | Floor plan practical applications during the studio works. (practical)                                   | 4             |
| 10.   | Drawing elevation practical applications during the studio works. (practical)                            | 8             |
| 11.   | Cross section lecture (theoretical)                                                                      | 2             |
| 12.   | Cross section : practical applications during the studio works. (practical)                              | 8             |
| 13.   | Two points perspective lecture (theoretical)                                                             | 2             |
| 14.   | Two points perspective : practical applications during the studio works. (practical)                     | 8             |
| 15.   | Manual presentation                                                                                      | 8             |
| Total |                                                                                                          | 75            |

### D. Students Assessment Activities:

| No | Assessment Activities *                          | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|--------------------------------------------------|--------------------------------|--------------------------------------|
| 1. | Participation                                    | Weekly                         | 5%                                   |
| 2. | Research presentation                            | 9 <sup>th</sup> week           | 5%                                   |
| 3. | drawing exercises and weekly progress of project | Weekly                         | 50%                                  |
| 4. | Midterm Exam (jury)                              | 8 <sup>th</sup> week           | 20%                                  |
| 5. | Final Exam (jury)                                | 16 <sup>th</sup> week          | 20%                                  |



\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <p><b>Book1:</b><br/>Title : The Interior Design Handbook: Furnish, Decorate, And Style Your Space<br/>Author : Frida Ramstedt<br/>Publisher: Clarkson Potter Publishers; Illustrated edition (27 October 2020)<br/>ISBN-10 : 0593139313<br/>ISBN-13 : 978-0593139318</p> <p><b>Book2:</b><br/>Title : Architects' Data<br/>Ernst Neufert (Author)<br/>Publisher : Wiley-Blackwell; 5th edition (12 July 2019)<br/>ISBN-10 : 111928435X<br/>ISBN-13 : 978-1119284352</p> <p><b>Book3:</b><br/>Title: Interior Design: A Global Profession<br/>Auteur: Roderick Adams<br/>Publisher: Routledge, Taylor &amp; Francis Group, 2020 - 272 pages<br/>ISBN, 0429649274, 9780429649271</p> |
| Supportive References    | <p>Space Planning in Residential Design<br/>Jean A. Memken, Connie Gdrber-Dyar &amp; Sue Crull<br/>Pages 69-93<br/>Published online: 09 Jun 2015<br/>Download citation <a href="https://doi.org/10.1080/08882746.1997.11430278">https://doi.org/10.1080/08882746.1997.11430278</a></p>                                                                                                                                                                                                                                                                                                                                                                                              |
| Electronic Materials     | <p>-UOH Electronic library<br/>-UOH Blackboard Learning Management System</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Other Learning Materials | <p>- <a href="https://www.archdaily.com/">https://www.archdaily.com/</a><br/>- <a href="https://www.pinterest.com/CPC3/interior-design/">https://www.pinterest.com/CPC3/interior-design/</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                             | Resources                                                                                                                       |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <p><b>facilities</b><br/>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)</p> | <p>Studio space to accommodate at least 25 students with drawing tables and chairs with ample Natural and artificial light.</p> |
| <p><b>Technology equipment</b><br/>(Projector, smart board, software)</p>                         | <p>-Instructor computer linked to a projector and screen<br/>Internet connection</p>                                            |
| <p><b>Other equipment</b><br/>(Depending on the nature of the specialty)</p>                      | <p>Space to present projects on walls or partitions</p>                                                                         |

#### F. Assessment of Course Quality:

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of students' assessment       | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

#### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

|                     |                                            |
|---------------------|--------------------------------------------|
| Course Title:       | CAD I                                      |
| Course Code:        | IDE 141                                    |
| Program:            | Interior Design Engineering                |
| Department:         | Decoration and Interior Design Engineering |
| College:            | Engineering                                |
| Institution:        | University Of Hail                         |
| Version:            | 2 <sup>nd</sup> version                    |
| Last Revision Date: | 1december2024                              |

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## A. General information about the course:

### 1. Course Identification

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                                  |                                                |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------------------------------|
| <b>1. Credit hours: 2 (2-0-4)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                  |                                                |                                |
| <b>2. Course type</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                                  |                                                |                                |
| A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> University          | <input type="checkbox"/> College | <input checked="" type="checkbox"/> Department | <input type="checkbox"/> Track |
| B.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Required |                                  | <input type="checkbox"/> Elective              |                                |
| <b>3. Level/year at which this course is offered: 2<sup>nd</sup> Level/ 1<sup>st</sup> year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                                  |                                                |                                |
| <b>4. Course General Description:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                                  |                                                |                                |
| This course introduces the student to AutoCAD software. It is a tool that converts any architectural ideas and drawings into a digital format. It is the pencil and paper for an architect that helps him/her to visualize ideas accurately and quickly and give him/her the chance to edit it with low/no costs in short time and in complete proficiency. This course will be conducted using several class tutorials in the computer lab and the students will practice the software through several assignments and exercises. |                                              |                                  |                                                |                                |
| <b>5. Pre-requirements for this course (if any):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                                  |                                                |                                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                                  |                                                |                                |
| <b>6. Co-requirements for this course (if any):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                  |                                                |                                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                                  |                                                |                                |
| <b>7. Course Main Objective(s):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                  |                                                |                                |
| Introduce students to 2D CAD drawings using the industry standard software (AutoCAD).and finally they can draw architectural plans, elevations and sections accurately and neatly using AutoCAD.                                                                                                                                                                                                                                                                                                                                   |                                              |                                  |                                                |                                |

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 60            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |



|   |                   |   |   |
|---|-------------------|---|---|
| 4 | Distance learning | - | - |
|---|-------------------|---|---|

### 3. Contact Hours (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 60            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | <b>Total</b>          | <b>60</b>     |

### B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code       | Course Learning Outcomes                                                              | Code of PLOs aligned with the program | Teaching Strategies                 | Assessment Methods                                 |
|------------|---------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|----------------------------------------------------|
| <b>1.0</b> | <b>Knowledge and understanding</b>                                                    |                                       |                                     |                                                    |
| 1.1        | Recognize Basic and advanced interface of AutoCAD in 2d.                              | K4                                    | Illustrative Examples and tutorials | Direct:<br>Practical exercises<br>Indirect: survey |
| 1.2        | Identify menus, icons, and shortcuts                                                  | K4                                    | Illustrative Examples and tutorials | Direct:<br>Practical exercises<br>Indirect: survey |
| <b>2.0</b> | <b>Skills</b>                                                                         |                                       |                                     |                                                    |
| 2.1        | Draw architectural plans, elevations and sections accurately and neatly using AutoCAD | S1                                    | Problem solving                     | Direct:<br>Practical exercises                     |





|     |                                                                                                                        |    |                                                 |                                                                   |
|-----|------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------|-------------------------------------------------------------------|
|     |                                                                                                                        |    |                                                 | Indirect: survey                                                  |
| 2.2 | Illustrate through drawing the relationship of various materials that makeup a building construction assembly          | S1 | Problem solving                                 | Direct:<br>Practical exercises<br><br>Indirect:survey             |
| 3.0 | Values, autonomy, and responsibility                                                                                   |    |                                                 |                                                                   |
| 3.1 | Organizing drawing elements on different layers for better file organization and drawing management.                   | V1 | Interactive Lecture<br><br>Cooperative learning | Direct:<br>Homeworks ,<br>Practical exercises<br>Indirect: survey |
| 3.2 | Write notes and interpretations of class tutorials<br><br>and feedback to record information for future use and study. | V1 | Interactive Lecture<br><br>Cooperative learning | Direct:<br>Homeworks ,practical exercises<br>Indirect: survey     |

### C. Course Content

| No | List of Topics                                                                                                                                                                                           | Contact Hours |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1  | <b>I. Introduction to AutoCAD program</b><br>1- Difference between Rasters and vectors<br>2- Units setup + AutoCAD Interface and basic features<br>3- Creating a new drawing and Opening an existing one | 8             |





|       |                                                                                                                                                                                                                                                                      |    |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|       | 4- Saving and Exiting<br>5- Repeating and cancelling commands<br>6- Drawing Aids (ortho, object snap)<br>7- Preferences and Options (background, crosshairs)<br>8- Undo and Redo<br>9- Selection (window, crossing)<br>10-Dealing with Draw Menu (Line-circle)-Erase |    |
| 2     | 1-Dealing with Draw Menu (Arc, polygon, Ellipse, Donut, polyline)<br>2- Introduction to shortcuts and pgp<br>3- Layers-line types –line type scale<br>4- Zoom                                                                                                        | 8  |
| 3     | Polyline EDIT<br>Dealing with Modify Menu (copy, move, rotate, scale, Mirror)<br>Offset<br>Change Properties/Match properties                                                                                                                                        | 8  |
| 4     | 1 - Extend, Trim, Chamfer, Fillet, Break,<br>2- Stretch<br>3-Dealing with Grips                                                                                                                                                                                      | 8  |
| 5     | 1- Array<br>2- Region and Boundary<br>3- Hatch/ Gradient                                                                                                                                                                                                             | 8  |
| 6     | 1-Point (Point Style)<br>2- Divide, Measure<br>3- Inquiry 4- Align 5- UCS - Object                                                                                                                                                                                   | 8  |
| 7     | 1-Blocks, Wblocks 2- Explode 3- Insert- Insert raster image                                                                                                                                                                                                          | 8  |
| 8     | 1- Text 2- Dimensions 3-Printing/ plotting                                                                                                                                                                                                                           | 4  |
| Total |                                                                                                                                                                                                                                                                      | 60 |

#### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1  | Project                 | All                            | 20%                                  |
| 2  | Quizzes                 | 4,9                            | 15%                                  |



|   |            |         |     |
|---|------------|---------|-----|
| 3 | Homework   | Weekly  | 5%  |
| 4 | Mid term   | Week 7  | 20% |
| 5 | Final Exam | Week 17 | 40% |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                          |                                                                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | - Aubin, Paul F., Mastering AutoCAD architecture 2010 , Delmar Cengage Learning, 2022                                                                                                                                                                           |
| Supportive References    | Shawna D. Lockhart, Tutorial Guide to AutoCAD 2011, Schroff Development Corporation, 2010 Gindis, Elliot, Up and Running with AutoCAD 2021: 2D Drawing and Modeling, Academic Press, 2021 Omura, George, Mastering AutoCAD 2021and AutoCAD LT 2021, Sybex, 2021 |
| Electronic Materials     | . <a href="http://www.we-r-here.com/cad/tutorials/index.htm">http://www.we-r-here.com/cad/tutorials/index.htm</a><br><a href="http://www.cadtutor.net/">http://www.cadtutor.net/</a>                                                                            |
| Other Learning Materials | Latest CAD Software                                                                                                                                                                                                                                             |

### 2. Required Facilities and equipment

| Items                                                                                     | Resources                 |
|-------------------------------------------------------------------------------------------|---------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>Simulation room</b>    |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>Projector, autocad</b> |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>desktop</b>            |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | STUDENTS/         | Indirect           |
| Effectiveness of students' assessment       | DQD/FACULTY       | Direct/Indirect    |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 |                    |



**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | <b>DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL</b> |
| <b>REFERENCE NO.</b>      | <b>9<sup>TH</sup> - 2024/2025</b>                                    |
| <b>DATE</b>               | <b>05/02/2025</b>                                                    |





# Course Specification

## (Bachelor)

Course Title: **Drawing and Colors**

Course Code: **IDE 131**

Program: **Interior Design Engineering**

Department: **Decoration and Interior Design Engineering**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> Version**

Last Revision Date: **1 December 2024**

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 2 (2,0,4)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 2<sup>nd</sup> Level, 1<sup>st</sup> year

#### 4. Course General Description:

This course introduces students to freehand sketching and drawings as means of visual communication. It aims to develop and refine freehand drawing skills for interior design applications by focusing on drawing from observation of buildings, interiors, and still life.

Drawings will show compositions, proportions, light, color, and perspectives. And students will use pencils, charcoal, and ink as main mediums, the course will be structured around demonstrations and tutorials, on-site drawings, and individual and group critiques. Weekly drawing assignments will serve to further develop the required skills of the course.

Study and application of perspective drawing techniques and color theories aspects related to their application in different architecture interior spaces with analysis the psychological effect which expected. Focuses on the use of drafting equipment as a means of visually communicating solutions to architectural design problems. This includes a study of drafting symbols and elevations. As well as laboratory course dealing with colors theory and design principles.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requisites for this course (if any):

None

#### 7. Course Main Objective(s):



This course will develop the students were provided with theoretical and applied aspects of the science of color and their theories in interior architecture. As the course is divided into two main sections; the first one which offers a general background of the theoretical aspects of color, and the other which based on providing scientific studies for various art projects in the field of color. This course seeks to state the importance of color as an important element of the design in interior building, and in realizing, visually, the aesthetic values of surrounding environment with interior architecture design and freehand drawing skills using different media and Techniques.

Demonstrate a knowledge of basic color theory, properties, and terminology.

Illustrate color design principles- rhythm, balance, proportion, scale, emphasis, harmony, and their application in the Interior Design domain.

Identify and apply various color theories to interiors such as residential and commercial projects. Describe the psychological and physiological impact of colors as used in various interiors.

## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 60            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

## 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | -             |
| 2.    | Laboratory/Studio | 60            |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 60            |



## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                                                                                                                            | Assessment Methods                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                                                                                                  |                                       |                                                                                                                                                                                |                                                                                                                                                                                                    |
| 1.1  | Identify the psychological and physiological impact of colors as used in various interiors. Interpret the scientific bases and the criteria for the systematic construction of color theories.               | K4                                    | <ul style="list-style-type: none"> <li>-Lectures</li> <li>-Demonstrations by instructors</li> <li>-Operative learning</li> <li>-Discussion</li> <li>-Peer education</li> </ul> | <p>Direct:</p> <ul style="list-style-type: none"> <li>- Project 1</li> <li>-Final Project</li> <li>-Assignments</li> <li>-Exercises</li> <li>-Sketchbook</li> </ul> <p>Indirect:</p> <p>Survey</p> |
| 1.2  | Demonstrate a knowledge of basic color theory, properties, terminology, color design principles - rhythm, balance, proportion, scale, emphasis, harmony and their application in the Interior Design domain. | K4                                    | <ul style="list-style-type: none"> <li>-Lectures</li> <li>-Demonstrations by instructors</li> <li>-Operative learning</li> <li>-Discussion</li> <li>-Peer education</li> </ul> | <p>Direct:</p> <ul style="list-style-type: none"> <li>- Project 1</li> <li>-Final Project</li> <li>-Assignments</li> <li>-Exercises</li> <li>-Sketchbook</li> </ul> <p>Indirect:</p> <p>Survey</p> |
| 1.3  | Reproduce interior finishes and draw a satisfactory perspective from real life, Sketch's, and draw different materials and finishes. Apply proper shade and shadow to convey depth, form, and volume in      | K4                                    | <p>Demonstrations by Instructors.</p> <p>Tutorials</p> <p>Critiques.</p>                                                                                                       | <p>Direct:</p> <p>Assignments-</p> <ul style="list-style-type: none"> <li>-Exercises</li> <li>-Sketchbook</li> </ul> <p>Indirect:</p> <p>Survey</p>                                                |





| Code       | Course Learning Outcomes                                                                                                                                                      | Code of PLOs aligned with the program | Teaching Strategies                                           | Assessment Methods                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|            | perspectives and Drawings.                                                                                                                                                    |                                       |                                                               |                                                                                              |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                                                 |                                       |                                                               |                                                                                              |
| 2.1        | Experiment with the effects of using color theory in different interior design cases, various drawing media such as ink, Graphite, and pencil in a safe and practical Manner. | S1                                    | - Assignments, exercises, Sketchbook.                         | Direct:<br>-Sketching, coloring and drawing.<br>-Exercises<br>Indirect:<br>Survey            |
| 2.2        | Use instructor feedback to improve skills and Drawings.                                                                                                                       | S1                                    | - Assignments, exercises, Sketchbook.                         | Direct:<br>-Sketching, coloring and drawing.<br>-Exercises<br>Indirect:<br>Survey            |
| 2.3        | Draw up sketches and drawings that communicate ideas and concepts to different Audiences.                                                                                     | S1                                    | -Problem-solving<br>-Lectures<br>-Brainstorming<br>-Exercises | Direct:<br>- Project 1<br>-Final Project<br>-Sketchbook<br>-Exercises<br>Indirect:<br>Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                                                   |                                       |                                                               |                                                                                              |
| 3.1        | Demonstrate responsibility for their self-learning by using of the tools of search for new information and develop continuously on the                                        | V2                                    | Operative learning<br>- Problem solving<br>- Peer education   | Direct:<br>- Operative learning<br>- Problem solving<br>- Peer education<br>Indirect:        |





| Code | Course Learning Outcomes         | Code of PLOs aligned with the program | Teaching Strategies | Assessment Methods |
|------|----------------------------------|---------------------------------------|---------------------|--------------------|
|      | personal and professional level. |                                       |                     | Survey             |

### C. Course Content

| No    | List of Topics                                                | Contact Hours |
|-------|---------------------------------------------------------------|---------------|
| 1.    | Introduction to colors -history- definition and vocabulary    | 4             |
| 2.    | Fundamentals of drawing (lines, shapes, forms)                | 8             |
| 3.    | Color theory (color wheel, color harmonies, color psychology) | 4             |
| 4.    | Harmony, and Contrast of Colors                               | 8             |
| 5.    | Practical exercise                                            | 4             |
| 6.    | Perspective one point                                         | 2             |
| 7.    | Practical exercise                                            | 4             |
| 8.    | Drawing two-point perspective                                 | 2             |
| 9.    | Practical exercise                                            | 4             |
| 10.   | Rendering techniques (shading, texturing)                     | 4             |
| 11.   | Presentation techniques (sketches, plans, elevations)         | 8             |
| 12.   | Application of drawing and color in interior design projects  | 8             |
| Total |                                                               | 60            |

### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no)      | Percentage of Total Assessment Score |
|----|-------------------------|-------------------------------------|--------------------------------------|
| 1. | Participation           | Weekly                              | 5%                                   |
| 2. | Homework                | Weekly                              | 10%                                  |
| 3. | Quizzes                 | 4 <sup>th</sup> and 6 <sup>th</sup> | 5%                                   |
| 4. | Exercises in class (9)  | Weekly                              | 35%                                  |
| 4. | Sketchbook              | 8 <sup>th</sup> week                | 5%                                   |
| 5. | Project Midterm         | 9 <sup>th</sup>                     | 20%                                  |
| 6. | Final Project           | 16 <sup>th</sup> week               | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

### E. Learning Resources and Facilities

#### 1. References and Learning Resources





|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <p><b>Book 1:</b><br/>Lidwell, W., Holden, K., &amp; Butler, J. (2010). <i>Universal principles of design: 125 ways to enhance usability, influence perception, increase appeal, make better design decisions, and teach through design</i> (2nd ed., Revised and Updated). Rockport Publishers . ISBN-13: 978-1592535873</p> <p><b>Book 2:</b><br/>Gill, M. (2002). <i>Color Harmony for Interior Design: A Guidebook for Creating Great Color Combinations for Your Home</i>. Ed. Olms. ISBN 3283004382, 978328300438</p> <p><b>Book 3:</b><br/>Starmer A. (2005) <i>The Color Scheme Bible: Inspirational Palettes for the Interior Designer</i>, Firefly Books, ISBN 1770850937</p> <p><b>Book 4:</b><br/>Ching F. (2010). <i>Design drawing</i> (second edition). New Jersey, USA. John Wiley &amp;. ISBN 0470533692</p> <p><b>Book 5:</b><br/>Newman, J. &amp; Beduhn, J. (2013). <i>Perspective and Sketching for Designers</i>, Pearson, ISBN 9780132574945</p> <p><b>Book 6:</b><br/>Laseau, P. (2004) <i>Freehand Sketching</i>. W. W. Norton &amp; Company. ISBN 978-0393731125</p> |
| Supportive References    | <p><b>List Essential References Materials (Journals, Reports, etc.)</b></p> <ul style="list-style-type: none"> <li>-Richards J. (2013) <i>Freehand Drawing and Discovery</i>. USA. John Wiley &amp; Sons Inc.</li> <li>-Wang T. (2002). <i>PENCIL SKETCHING</i>. USA. John Wiley &amp; Sons Inc.</li> <li>-Dodson B. (2006). <i>Keys to Drawing with Imagination</i>. Ohio, USA. North Light Publishing.</li> <li>-Olofsson E. Sjolen K. (2005) <i>Design Sketching</i>. Sweden. Keeos design books.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Electronic Materials     | <p><b>4. List Electronic Materials.</b></p> <p><a href="http://www.visual-arts-cork.com/drawing/pencil-drawings.htm">http://www.visual-arts-cork.com/drawing/pencil-drawings.htm</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Other Learning Materials | <p><b>5. Other learning material such as computer-based programs/CD, professional standards or regulations, and software. Other learning material such as computer-based</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



programs/CD, professional standards or regulations, and software.

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                                                                           |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | - Accommodation (Classrooms for 25 students.)<br>- Studio space for 12 students.<br>- Material room                                                 |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | - Computer laboratories for 25 students.<br>- Computing resources (AV, data show, Smart Board, software, etc.)<br>- Projector and projector screen. |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | - Material room                                                                                                                                     |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor              | Assessment Methods |
|---------------------------------------------|-----------------------|--------------------|
| Effectiveness of teaching                   | Faculty / students    | Direct             |
| Effectiveness of Students assessment        | Faculty / Quality DQD | Direct/ Indirect   |
| Quality of learning resources               | Instructor            | Direct             |
| The extent to which CLOs have been achieved | Quality committee     | Direct             |
| Other                                       | -                     | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> 2024/2025                                     |
| <b>DATE</b>               | 05/02/2025                                                    |



# Course Specification

## (Bachelor)

Course Title: Interior Design I

Course Code: IDE 201

Program: Interior Design Engineering Program

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 4 (4, 0, 8)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 3<sup>rd</sup> level, 2<sup>nd</sup> year

### 4. Course General Description:

Interior Design 1 introduces students to the fundamentals of designing interior spaces, with a focus on administrative environments. Students will explore the aesthetic, psychological, functional, and physical needs of users in relation to their built surroundings. Through hands-on projects, they will develop a working knowledge of finishing materials, furniture, accessories, and building systems, while creating practical and innovative design solutions tailored to user-centered spaces.

### 5. Pre-requirements for this course (if any):

IDE 102

### 6. Co-requirements for this course (if any):

None

### 7. Course Main Objective(s):

The main objectives of **Interior Design 1** are to equip students with the skills to design administrative spaces that address users' aesthetic, psychological, functional, and physical needs. Students will develop a working knowledge of finishing materials, furniture, accessories, and building systems, while learning to apply them in practical, user-centered solutions. The course emphasizes critical thinking, creative problem-solving, and technical proficiency in space planning and design presentation, fostering the ability to create innovative environments that enhance user experience and well-being.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                            | Contact Hours | Percentage |
|----|--------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                          | 120           | 100%       |
| 2  | E-learning                                                                     |               | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> </ul> |               | -          |





| No | Mode of Instruction | Contact Hours | Percentage |
|----|---------------------|---------------|------------|
|    | • E-learning        |               |            |
| 4  | Distance learning   |               | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 120           |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | <b>Total</b>          | <b>120</b>    |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code       | Course Learning Outcomes                                                                                                                   | Code of PLOs aligned with the program | Teaching Strategies                                                                                                                | Assessment Methods                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>1.0</b> | <b>Knowledge and understanding</b>                                                                                                         |                                       |                                                                                                                                    |                                                                                                 |
| 1.1        | Recognize the types and degrees of interior enclosure, volumetric accommodation of activities and functions, spatial scale and continuity. | <b>K4</b>                             | Interactive Lecture, Practical implementation, illustrative tutorials, Feedback in critiques and tutorials, group research project | <b>Direct:</b> Research, Studio exercises, Mid-term Exam, Final exam<br><b>Indirect:</b> Survey |
| 1.2        | Recognize the two-dimensional and volumetric composition of spaces, layering, circulation, entry/exit, transition and sequence.            | <b>K2</b>                             | Interactive Lecture, Practical implementation, illustrative tutorials, Design investigation                                        | <b>Direct:</b> Studio exercises, Mid-term Exam, Final exam<br><b>Indirect:</b> Survey           |
| 1.3        | Identify Ergonomics and Anthropometrics and their role in defining the interior                                                            | <b>K4</b>                             | Interactive Lecture, Practical implementation, illustrative tutorials,                                                             | <b>Direct:</b> Research, Studio exercises, Mid-                                                 |



| Code       | Course Learning Outcomes                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                                                                                                      | Assessment Methods                                                                     |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|            | and space planning of the design project, and different interior design styles and their characteristics, materials finishes and furnishing. |                                       | Feedback in critiques and tutorials, group research project                                                                                              | term Exam, Final exam<br><b>Indirect:</b> Survey                                       |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                |                                       |                                                                                                                                                          |                                                                                        |
| 2.1        | Determine advanced skills, techniques, practices and creativity in interior design.                                                          | <b>S1</b>                             | Practical implementation, illustrative tutorials, group research project                                                                                 | <b>Direct:</b> Studio exercises, Mid-term Exam , Final exam<br><b>Indirect:</b> Survey |
| 2.2        | Practice established methods of enquiry, investigation and research and its application related to administrative design technique.          | <b>S1</b>                             | Practical implementation, illustrative tutorials, Feedback in critiques and tutorials, group research project, Design investigation                      | <b>Direct:</b> Studio exercises, Mid-term Exam , Final exam<br><b>Indirect:</b> Survey |
| 2.3        | Prepare comprehensive design case studies to inform the design project and refine visual sense of aesthetics in interior design.             | <b>S1</b>                             | Interactive Lecture, Practical implementation, illustrative tutorials, Feedback in critiques and tutorials, group research project, Design investigation | <b>Direct:</b> Studio exercises, Mid-term Exam , Final exam<br><b>Indirect:</b> Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                  |                                       |                                                                                                                                                          |                                                                                        |
| 3.1        | Make structured decisions in contexts that require self-directed work, life-long learning and innovation.                                    | <b>V1</b>                             | Practical implementation, Feedback in critiques and tutorials, group research project, Design investigation                                              | <b>Direct:</b> Studio exercises, Mid-term Exam , Final exam<br><b>Indirect:</b> Survey |
| 3.2        | Use time and project management skills to minimize stress and achieve better product.                                                        | <b>V1</b>                             | Practical implementation, Feedback in critiques and                                                                                                      | <b>Direct:</b> Studio exercises, Mid-term Exam , Final exam                            |





| Code | Course Learning Outcomes | Code of PLOs aligned with the program | Teaching Strategies                                     | Assessment Methods      |
|------|--------------------------|---------------------------------------|---------------------------------------------------------|-------------------------|
|      |                          |                                       | tutorials, group research project, Design investigation | <b>Indirect:</b> Survey |

### C. Course Content:

| No           | List of Topics                                                                             | Contact Hours |
|--------------|--------------------------------------------------------------------------------------------|---------------|
| 1.           | Course Description, Schedule and Introduction                                              | 8             |
| 2.           | Introduction to administrative design                                                      | 8             |
| 3.           | Research of Design Standards, Site Visit and Case Studies Analytical for Similar Projects. | 16            |
| 4.           | Research Submission and Presentation.                                                      | 8             |
| 5.           | Interior Design styles                                                                     | 8             |
| 6.           | Creating mood boards                                                                       | 16            |
| 7.           | Design concepts                                                                            | 8             |
| 8.           | Semi Final Project Submission and Presentation                                             | 8             |
| 9.           | Front & 2 points perspective                                                               | 16            |
| 10.          | Presentation Lecture and Practical Applications During the Studio Works                    | 16            |
| 11.          | Final Project Submission and Presentation.                                                 | 8             |
| <b>Total</b> |                                                                                            | <b>120</b>    |

### D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | During the semester            | 5%                                   |
| 2. | Research                | Week 3                         | 10%                                  |
| 3. | Studio exercises        | Weeks 4,5                      | 45%                                  |
| 4. | Mid-term Exam           | Week 6                         | 20%                                  |
| 5. | Final Exam              | Week 16                        | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

### E. Learning Resources and Facilities:

#### 1. References and Learning Resources:

| Essential References | Book1:<br>-Pile, John F. Interior Design, <b>Publisher:</b> Pearson; 4th edition (January 24, 2007)/ <b>ISBN-10:</b> 0132408902 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|





|                                 |                                                                                                                                                                             |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | - Pable, Jill B., Sketching Interiors at the Speed of Thought. New York: Fairchild Publishers, 2004 ISBN: 1-563-67313-4                                                     |
| <b>Supportive References</b>    | Grey Room (Journal)                                                                                                                                                         |
| <b>Electronic Materials</b>     | Google<br>Pinterest<br><a href="http://www.architecturaldigest.com">www.architecturaldigest.com</a><br>UoH Electronic library and the Blackboard Learning Management System |
| <b>Other Learning Materials</b> | -                                                                                                                                                                           |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                                                                |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample natural and artificial light. |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector and screen<br>Internet connection                                              |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | Space to present projects on walls or partitions                                                                         |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                            | Assessor          | Assessment Methods |
|----------------------------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Students/ Faculty | Indirect           |
| <b>Effectiveness of students' assessment</b>       | DQD/ Faculty      | Indirect/ Direct   |
| <b>Quality of learning resources</b>               | Instructor        | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality committee | Direct             |
| <b>Other</b>                                       | -                 | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

|                     |                                            |
|---------------------|--------------------------------------------|
| Course Title:       | Environmental I: Thermal Comfort           |
| Course Code:        | IDE 221                                    |
| Program:            | Interior Design Engineering                |
| Department:         | Decoration and Interior Design Engineering |
| College:            | Engineering                                |
| Institution:        | University Of Hail                         |
| Version:            | 2 <sup>nd</sup> version                    |
| Last Revision Date: | 1december2024                              |

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| F. Assessment of Course Quality .....                                                | Error! Bookmark not defined. |
| G. Specification Approval .....                                                      | Error! Bookmark not defined. |





## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3(3-3-0)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 3<sup>rd</sup> level/2<sup>nd</sup> year

### 4. Course General Description:

This course aims to provide attendees with a sound understanding of the effects of the thermal environment on people and a means of assessing and controlling the risks associated with thermal stress.

The student will be able to identify the sources of thermal stress and they can develop responsibility for their self-learning by using of the tools of search a new information.

### 5. Pre-requirements for this course (if any):

None

### 6. Co-requirements for this course (if any):

None

### 7. Course Main Objective(s):

This course aims to provide attendees with a sound understanding of the effects of the thermal environment on people and a means of assessing and controlling the risks associated with thermal stress.

The student will be able to identify the sources of thermal stress and can they can develop responsibility for their self learning by using of the tools of search a new information.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours: (based on the academic semester)





| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     | -             |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | <b>Total</b>          | <b>45</b>     |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code       | Course Learning Outcomes                                                                                                            | Code of PLOs aligned with the program | Teaching Strategies                                                                | Assessment Methods                                                                              |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>1.0</b> | <b>Knowledge and understanding</b>                                                                                                  |                                       |                                                                                    |                                                                                                 |
| 1.1        | Recognize the effects of the thermal environment on people.                                                                         | K3                                    | Brain storming<br>Cooperative learning                                             | Direct :<br>Theoretical Exams<br>Indirect : survey                                              |
| 1.2        | Control the risks associated with thermal stress.                                                                                   | K3                                    | Brain storming<br>Cooperative learning                                             | Direct :<br>Theoretical Exams<br>Indirect : survey                                              |
| <b>2.0</b> | <b>Skills</b>                                                                                                                       |                                       |                                                                                    |                                                                                                 |
| 2.1        | Discovers sources of thermal stress within the working environment and to understand the nature of thermal strain on the body.      | S1                                    | Interactive Lecture<br>Brain storming<br>Problem solving<br>Group research project | Direct :<br>theoretical Exams<br>Presentation<br>Research (report)<br><br>Indirect : survey     |
| 2.2        | Evaluate the likely risk from exposure to thermal stress and to suggest appropriate control approaches for the thermal environment. | S1                                    | Interactive Lecture<br>Brain storming<br>Problem solving<br>Group research project | 1 Direct :<br>- theoretical Exams<br>Presentation<br>Research (report)<br><br>Indirect : survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                         |                                       |                                                                                    |                                                                                                 |



|     |                                                                                                            |    |               |                                                        |
|-----|------------------------------------------------------------------------------------------------------------|----|---------------|--------------------------------------------------------|
| 3.1 | Demonstrate effective oral presentation and written report                                                 | V2 | Presentations | Direct :<br>- Research (report)                        |
| 3.2 | Able to develop responsibility for their self-learning by using of the tools of search for new information | V2 | Presentations | Direct :<br>Research (report)<br><br>Indirect : survey |

### C. Course Content:

| No    | List of Topics                    | Contact Hours |
|-------|-----------------------------------|---------------|
| 1     | The Thermal Spectrum              | 6             |
| 2     | Principles of Thermal Environment | 3             |
| 3     | Effects of Temperature Extremes   | 3             |
| 4     | Thermal Comfort                   | 3             |
| 5     | Evaluation of Hot Environments    | 3             |
| 6     | Control of Hot Environments       | 6             |
| 7     | Thermal Surveys                   | 6             |
| 8     | Evaluation of Cold Environments   | 6             |
| 9     | Control of Cold Environments      | 6             |
| 10    | Approaches to Risk Assessment     | 3             |
| Total |                                   | 45            |

### D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1  | Mid term                | 8th week                       | 30%                                  |



|   |              |                     |     |
|---|--------------|---------------------|-----|
| 2 | Presentation | During the semester | 20% |
| 3 | quizes       | During the semester | 10% |
| 4 | Final Exam   | End of Semester     | 40% |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | OPTIMAL CONTROL IN THERMAL ENGINEERING<br>byViorel Badescu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supportive References    | The Architectural Barriers Act (ABA) of 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electronic Materials     | Dictionary of Disability Terminology (PDF) /edited by David Blocksidge. Singapore: Disabled People's Association                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Other Learning Materials | Other learning material such as computer-based programs/CD, professional standards or regulations and software.<br>1.The Architectural Barriers Act (ABA) of 1968<br>2. The Americans with Disabilities Act (ADA) of 1990, as amended<br>3. Guide to the Updated ADA Standards. Available as PDF.<br>4. Americans with Disabilities Act and Architectural Barriers Act accessibility guidelines /<br>United States Access Board. Architectural and Transportation Barriers Compliance Board.<br>Washington, D.C.: United States Access Board, [2021] Also available online |

### 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources             |
|-------------------------------------------------------------------------------------------|-----------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>CLASSROOMS</b>     |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>PROJECTOR</b>      |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>NOT APPLICABLE</b> |

## F. Assessment of Course Quality:

| Assessment Areas/Issues               | Assessor    | Assessment Methods |
|---------------------------------------|-------------|--------------------|
| Effectiveness of teaching             | STUDENTS/   | Indirect           |
| Effectiveness of students' assessment | DQD/FACULTY | Direct/Indirect    |
| Quality of learning resources         | Instructor  | Direct             |



| The extent to which CLOs have been achieved | Quality committee | Direct |
|---------------------------------------------|-------------------|--------|
| Other                                       | -                 |        |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Interior Materials and Technology

Course Code: IDE 211

Program: Interior design Engineering

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> Version

Last Revision Date: 1 December 2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3 (3,0,0)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 3, 2<sup>nd</sup> Year)

#### 4. Course General Description:

This course provides a comprehensive study of raw and finishing materials used in interior and exterior spaces. It covers the latest materials in the global and local markets, with a focus on their characteristics, properties, uses, and selection criteria. Students will explore natural, synthetic, and smart materials, emphasizing sustainability, safety, environmental impact, cost, and maintenance.

Through lectures and presentations, students will gain insights into material applications for residential, commercial, and institutional interiors. Topics include material selection for walls, floors, ceilings, stairs, and facades, as well as the performance and aesthetic considerations of different finishes. By the end of the course, students will create a material board for a design project, applying their knowledge of appropriate material choices and applications.

5. Pre-requirements for this course (if any): None

6. Co-requisites for this course (if any): None

#### 7. Course Main Objective(s):

Upon completing this course, students will be able to:

- Describe building materials: Recognize new technologies and developments in materials and finishes.
- Define material properties: Understand the physical, chemical, and mechanical properties of materials.
- Interpret the role of interior designers: Evaluate how interior design enhances natural and built environments.
- Define material functions: Apply materials in interior spaces while ensuring compliance with industry standards.



- Develop research skills: Conduct independent research on materials used in various design markets.
- Present research: Communicate material research effectively through visual, oral, and written formats.
- Manage material projects: Organize and manage tasks related to materials in design projects.

This course prepares students to evaluate, select, and communicate material choices in interior design practice.

## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                    | Contact Hours | Percentage |
|----|--------------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                                  | 45            | 100%       |
| 2  | E-learning                                                                                             | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>• Traditional classroom</li> <li>• E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                      | -             | -          |

## 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 45            |
| 2.    | Laboratory/Studio | -             |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code       | Course Learning Outcomes                                                                                                                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                         | Assessment Methods                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>1.0</b> | <b>Knowledge and understanding</b>                                                                                                                                                                                                           |                                       |                                                                             |                                                                             |
| 1.1        | Describe building materials while recognizing new technologies and developments in the field of materials and finishes.                                                                                                                      | K4                                    | Interactive lecture<br>Brainstorming                                        | <b>Direct</b><br>Quiz, research, and Assignment<br><b>Indirect</b> - Survey |
| 1.2        | Define the different physical, chemical, and mechanical properties of building materials.                                                                                                                                                    | K4                                    | Interactive lecture<br>Illustrative Examples and tutorials<br>Brainstorming | <b>Direct</b><br>Mid/Final Exams<br><b>Indirect</b> - Survey                |
| 1.3        | Interpret the role and responsibilities of interior designers in improving the quality of natural and built environments.                                                                                                                    | K4                                    | Interactive lecture<br>Brainstorming<br>Problem solving                     | <b>Direct</b><br>Final Exams<br><b>Indirect</b> - Survey                    |
| 1.4        | Define the functional aspects of interior materials and realize codes and standard testing procedures for interior materials specification.                                                                                                  | K4                                    | Interactive lecture<br>Brainstorming<br>Problem solving                     | <b>Direct</b><br>Mid Exams<br><b>Indirect</b> - Survey                      |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                                                                                                                |                                       |                                                                             |                                                                             |
| 2.1        | Develop self-directed learning skills through reading and research for different materials. This allows students to explore the materials used for residential, commercial, and different interiors in both local and international markets. | S4                                    | Research<br>Cooperative learning and<br>Presentation                        | <b>Direct</b><br>Presentation research (report)<br><b>Indirect</b> - Survey |
| 2.2        | Present their research on material uses and applications visually and orally and in written form in diverse teams.                                                                                                                           | S4                                    | Research<br>Cooperative learning and                                        | <b>Direct</b><br>Presentation research (report)                             |



| Code | Course Learning Outcomes                                                                                                                                    | Code of PLOs aligned with the program | Teaching Strategies                                  | Assessment Methods                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|      |                                                                                                                                                             |                                       | Presentation                                         | Indirect - Survey                                                                                  |
| 3.0  | Values, autonomy, and responsibility                                                                                                                        |                                       |                                                      |                                                                                                    |
| 3.1  | Organize the management of complex technical or professional activities related to the use of building materials, related to the management of these works. | V1                                    | Research<br>Cooperative learning and<br>Presentation | Direct<br>Homework (Material board),<br>research,(report)<br>and presentation<br>Indirect - Survey |

### C. Course Content

| No | List of Topics                                                                                                                                                                                       | Contact Hours |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1. | <b>Introduction to Interior Materials</b><br>Overview of material types (natural, synthetic, smart materials)                                                                                        | 3             |
| 2. | <b>Wood</b> <ul style="list-style-type: none"> <li>Classification of wood</li> <li>Wood species and their properties</li> </ul> Wood maintenance and care                                            | 3             |
| 3. | <b>Natural Stone</b> <ul style="list-style-type: none"> <li>Types of natural stone (e.g., marble, granite, limestone)</li> </ul> Uses and applications of natural stone in interiors                 | 3             |
| 4. | <b>Gypsum and Lime</b> <ul style="list-style-type: none"> <li>Properties of gypsum and lime</li> <li>Types of gypsum and lime products</li> </ul> Applications in interior finishes                  | 3             |
| 5. | <b>Bricklaying Works</b> <ul style="list-style-type: none"> <li>Types of bricks and their uses</li> <li>Bricklaying techniques and applications in interior and exterior design.</li> </ul>          | 3             |
| 6. | <b>Sand, Cement, and Mortar</b> <ul style="list-style-type: none"> <li>Properties and types of sand, cement, and mortar</li> </ul> Mixing and application techniques for construction and finishing. | 3             |
| 7. | <b>Wallpaper</b> <ul style="list-style-type: none"> <li>Types of wallpaper (vinyl, paper, fabric, etc.)</li> </ul> Installation and maintenance of wallpaper.                                        | 3             |
| 8. | <b>Paint and Plaster</b> <ul style="list-style-type: none"> <li>Types of paint (water-based, oil-based, etc.)</li> </ul> Plaster materials and finishes.                                             | 3             |





|              |                                                                                                                                                                                                                                                                                                                                          |           |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 9.           | <b>Interior Finishes for Different Spaces</b> <ul style="list-style-type: none"> <li>Materials for walls, floors, ceilings, and stairs</li> <li>Surface treatments and coatings for interior finishes</li> </ul> Smart materials and technology in design                                                                                | 3         |
| 10.          | <b>Plastics</b> <ul style="list-style-type: none"> <li>Types of plastics used in interiors (PVC, acrylic, polycarbonate, etc.)</li> <li>Applications and benefits in interior design</li> </ul> Environmental impact and sustainability considerations                                                                                   | 3         |
| 11.          | <b>Material Selection Criteria</b> <ul style="list-style-type: none"> <li>Evaluating materials for aesthetic, functional, and environmental qualities</li> <li>Cost analysis and market availability</li> </ul> Sustainability and ethical sourcing                                                                                      | 3         |
| 12.          | <b>Material Maintenance and Safety</b> <ul style="list-style-type: none"> <li>Long-term care, cleaning, and repair strategies for various materials</li> </ul> Safety standards and regulations in material use.                                                                                                                         | 3         |
| 13.          | <b>Environmental Impact of Materials</b> <ul style="list-style-type: none"> <li>Lifecycle assessments of materials</li> </ul> Energy efficiency, waste reduction, and carbon footprint considerations                                                                                                                                    | 3         |
| 14.          | <b>Student Presentations and Material Board Creation</b> <ul style="list-style-type: none"> <li>Presentation of selected materials and their applications in a design context.</li> </ul> Creation of a material board for a design project, showcasing knowledge and understanding of material selection, application, and integration. | 6         |
| <b>Total</b> |                                                                                                                                                                                                                                                                                                                                          | <b>45</b> |

#### D. Students Assessment Activities

| No | Assessment Activities *     | Assessment timing (in week no)       | Percentage of Total Assessment Score |
|----|-----------------------------|--------------------------------------|--------------------------------------|
| 1. | Participation               | Weekly                               | 5%                                   |
| 2. | Homework                    | Periodically                         | 10%                                  |
| 3. | Quizzes                     | 4 <sup>th</sup> and 10 <sup>th</sup> | 10%                                  |
| 4. | Project with Material board | 12 <sup>th</sup> week                | 15%                                  |
| 5. | Presentation                | 11 <sup>th</sup> week                | 5%                                   |
| 6. | Midterm Exam                | 8 <sup>th</sup> week                 | 25%                                  |
| 7. | Final Exam                  | 16 <sup>th</sup> week                | 30%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).



## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>     | <p>Book 1;<br/>Lynn M. Jones Beginnings of Interior Environments; John Wiley &amp; Sons, ISBN 1119849926, (2021).</p> <p>Book 2:<br/>Technological Innovation of Advanced Building Materials: Management of Global Innovation for the 21st Century, Sanford L. Moskowitz, Wiley, (Second Edition) 2018</p> <p>Book 3:<br/>S. K. Duggal, Building Materials; Routledge, ISBN 1351462989 (2017)</p>                             |
| <b>Supportive References</b>    | <p>- <a href="https://www.dezeen.com/2021/07/02/interior-finishing-material-tiles-flooring-surfacing-dezeen-showroom/">https://www.dezeen.com/2021/07/02/interior-finishing-material-tiles-flooring-surfacing-dezeen-showroom/</a></p> <p>- <a href="https://www.jdinstitute.edu.in/basic-materials-used-in-interior-design-in-2021/">https://www.jdinstitute.edu.in/basic-materials-used-in-interior-design-in-2021/</a></p> |
| <b>Electronic Materials</b>     | <p>-UOH Electronic library</p> <p>-UOH Blackboard Learning Management System</p>                                                                                                                                                                                                                                                                                                                                              |
| <b>Other Learning Materials</b> | <p>Other learning material such as computer-based programs/CD, Professional standards or regulations, and software.</p> <p>www.Building Green.com &amp; Environmental Building News.</p>                                                                                                                                                                                                                                      |

### 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                  |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Classrooms equipped for lectures suitable seats for more than 25 Students. |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | -Instructor computer linked to a projector and screen Internet connection  |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Space to present projects                                                  |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of Students assessment        | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |

| Assessment Areas/Issues | Assessor | Assessment Methods |
|-------------------------|----------|--------------------|
| Other                   | -        | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

|                                                        |
|--------------------------------------------------------|
| Course Title: Construction Systems                     |
| Course Code: IDE 213                                   |
| Program: Interior Design Engineering                   |
| Department: Decoration and Interior Design Engineering |
| College: Engineering                                   |
| Institution: University Of Hail                        |
| Version: 2 <sup>nd</sup> version                       |
| Last Revision Date: 1december2024                      |

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| F. Assessment of Course Quality .....                                                | Error! Bookmark not defined. |
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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3.-3-0)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☐ Required ☐ Elective

3. Level/year at which this course is offered: 3<sup>rd</sup> level/2<sup>nd</sup> year

### 4. Course General Description:

Since the Architectural building is the shell that contains the interior space it is important for interior design students to develop an awareness of formal, current and novel building Construction types. And its development over time starting with Bearing walls structural systems, Skeleton system, Truss and Frame Space structure, Tensile, Cable, membrane and Pneumatic structures. As well as acquire an understanding of the materials used in the application of each building construction system, such as bricks stone, concrete, R.C, steel...etc

### 5. Pre-requirements for this course (if any):

None

### 6. Co-requirements for this course (if any):

None

### 7. Course Main Objective(s):

Develop an awareness of formal, current and novel building construction types as well as acquire an understanding of the materials used in the application of each building construction system.

Student can Recognize terminology associated with building construction

Comprehend the relationship between material properties and structural form

And Design through drawing the relationship of various materials that makeup a building construction assembly Concludes appropriate mathematical and statistical concepts and operations to calculate spans and required dimensions.

At the term of lectures, the student can Formulate proper terminology when discussing building Construction.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 45            | 100%       |
| 2  | E-learning            | -             | -          |





|   |                                                                                                    |   |   |
|---|----------------------------------------------------------------------------------------------------|---|---|
| 3 | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | - | - |
| 4 | Distance learning                                                                                  | - | - |

CXC

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     | -             |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                  | Code of PLOs aligned with the program | Teaching Strategies                             | Assessment Methods                                                        |
|------|-----------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                               |                                       |                                                 |                                                                           |
| 1.1  | Define different types of building construction methods                                                   | K2                                    | Interactive Lecture<br>Brain storming           | Direct:<br>Theoretical Exams<br><br>Indirect :survey                      |
| 1.2  | Recognize terminology associated with building construction                                               | K4                                    | Interactive Lecture<br>Brain storming           | Direct:<br>Theoretical Exams<br><br>Indirect :survey                      |
| 2.0  | Skills                                                                                                    |                                       |                                                 |                                                                           |
| 2.1  | Design through drawing the relationship of various materials that makeup a building construction assembly | S2                                    | Illustrative Examples<br>Group research project | Direct:<br>Theoretical Exams<br><br>Research (report)<br>Indirect :survey |
| 2.2  |                                                                                                           | S2                                    | Illustrative Examples                           | Direct:                                                                   |





|     |                                                                                                                        |    |               |          |                                                            |
|-----|------------------------------------------------------------------------------------------------------------------------|----|---------------|----------|------------------------------------------------------------|
|     | Concludes appropriate mathematical and statistical concepts and operations to calculate spans and required dimensions. |    | Group project | research | Theoretical Exams<br>Research (report)<br>Indirect :survey |
| 3.0 | Values, autonomy, and responsibility                                                                                   |    |               |          |                                                            |
| 3.1 | Focuses on developing V1 speaking and explanation skills through reading and research.                                 |    | Presentations |          | Direct: Presentation<br>Indirect :survey                   |
|     |                                                                                                                        |    | Research      |          |                                                            |
| 3.2 | Develop proper terminology when discussing building Construction.                                                      | V1 | Presentations |          | Direct: Presentation<br>Indirect :survey                   |
|     |                                                                                                                        |    | Research      |          |                                                            |

### C. Course Content:

| No    | List of Topics                 | Contact Hours |
|-------|--------------------------------|---------------|
| 1     | The building structures        | 3             |
| 2     | Loads and loading              | 6             |
| 3     | Stairs design and construction | 6             |
| 4     | Truss and Space Frame          | 6             |
| 5     | Structural coordination        | 6             |
| 6     | Bearing Wall Structure         | 6             |
| 7     | Roofs                          | 6             |
| 8     | Floors                         | 6             |
| Total |                                | 45            |

cvcb

### D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1  | Mid term                | 8th week                       | 30%                                  |
| 2  | Presentation            | During the semester            | 20%                                  |
| 3  | quizes                  | During the semester            | 10%                                  |
| 4  | Final Exam              | End of Semester                | 40%                                  |





\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                                 |                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>     | <b>Construction Systems</b><br><b>Polette, Doug; Landers, Jack M</b><br><b>ISBN 13: 9781566378628</b>                                                                                                                                                                                                                                                      |
| <b>Supportive References</b>    | <b>List Essential References Materials (Journals, Reports, etc.)</b><br><b>1. El Kony, H. &amp; Danford, G.S. (2021) Performance Prediction Model (PPM): In quest of an inclusive</b><br><b>2. Design Research and Methods Journal An archive of articles, guides, and tech sheets</b><br><b>published by the Center for Universal Design between 2021</b> |
| <b>Electronic Materials</b>     | <b>Dictionary of Disability Terminology (PDF) /edited by David Blocksidge. Singapore: Disabled People's Association</b>                                                                                                                                                                                                                                    |
| <b>Other Learning Materials</b> | <b>Other learning material such as computer-based programs/CD, professional standards or regulations and software. building code.</b>                                                                                                                                                                                                                      |

### 2. Educational and Research Facilities and Equipment Required:

| <b>Items</b>                                                                              | <b>Resources</b>      |
|-------------------------------------------------------------------------------------------|-----------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>CLASSROOMS</b>     |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>PROJECTOR</b>      |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>NOT APPLICABLE</b> |

## F. Assessment of Course Quality:

| <b>Assessment Areas/Issues</b>                     | <b>Assessor</b>          | <b>Assessment Methods</b> |
|----------------------------------------------------|--------------------------|---------------------------|
| <b>Effectiveness of teaching</b>                   | <b>STUDENTS/</b>         | <b>Indirect</b>           |
| <b>Effectiveness of students' assessment</b>       | <b>DQD/FACULTY</b>       | <b>Direct/Indirect</b>    |
| <b>Quality of learning resources</b>               | <b>Instructor</b>        | <b>Direct</b>             |
| <b>The extent to which CLOs have been achieved</b> | <b>Quality committee</b> | <b>Direct</b>             |
| <b>Other</b>                                       | <b>-</b>                 |                           |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)





### G. Specification Approval Data:

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT<br>COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                      |
| DATE               | 05/02/2025                                                       |





# Course Specification

## (Bachelor)

|                                                               |
|---------------------------------------------------------------|
| Course Title: <b>STATICS</b>                                  |
| Course Code: <b>CE201</b>                                     |
| Program: <b>Interior Design Engineering</b>                   |
| Department: <b>Decoration and Interior Design Engineering</b> |
| College: <b>Engineering</b>                                   |
| Institution: <b>University Of Hail</b>                        |
| Version: <b>2<sup>nd</sup> version</b>                        |
| Last Revision Date: <b>1december2024</b>                      |

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3 (3-3-0)

#### 2. Course type

|    |                                              |                                  |                                                |                                |
|----|----------------------------------------------|----------------------------------|------------------------------------------------|--------------------------------|
| A. | <input type="checkbox"/> University          | <input type="checkbox"/> College | <input checked="" type="checkbox"/> Department | <input type="checkbox"/> Track |
| B. | <input checked="" type="checkbox"/> Required |                                  | <input type="checkbox"/> Elective              |                                |

3. Level/year at which this course is offered: 2<sup>nd</sup> Level/ 1<sup>st</sup> year

#### 4. Course General Description:

Basic concepts and principles of mechanics; vector algebra; equilibrium of particles in two and three dimensions; definition of moment and couple; reduction of systems forces; equilibrium of rigid bodies; statically determinate structures including beams, trusses, frames, and machines; internal forces; shear force and bending moment diagrams in beams; friction and its applications, centroid and center of gravity of lines, areas, and volumes; moment of inertia and radius of gyration.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

Students will gain knowledge of Vector Mechanics, representation of physical quantities by a vector notation. Grasp the meaning of magnitude and direction of a vector; utilize vector algebra as a tool to perform application on forces in 2D and 3D; determine the components of a force in rectangular or nonrectangular coordinates; determine the resultant of coplanar and space force systems.

1. Students will be able to understand the concept of moment of a force and the concept of couple. Master the balance of forces and moments to ensure equilibrium for 2D and 3D structures.
2. Students will acquire the skill to draw a correct and complete Free-Body Diagram and write the appropriate equilibrium equations of rigid bodies in 2D and 3D under various support mechanisms.
3. Students will learn the method of joints and the method of sections for the analysis of trusses. They also should be able to identify the zero-force members of a truss by inspection.
4. Students will understand the internal forces in structures, and learn how to draw shear and moment diagrams for beams.
5. Students will be able to understand the concept of friction on surfaces and calculate friction forces, and be able to draw the proper FBD showing friction forces. Understand the difference between static and dynamic friction.
6. Students will learn how to calculate center of gravity, center of mass, and the Centroid of an area and composite objects.
7. Students will learn how to calculate the Moment of Inertia of areas, and composite objects using the parallel axes theorem.





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## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

## 3. Contact Hours (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 45            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | <b>Total</b>          | <b>45</b>     |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                                            | Code of PLOs aligned with the program | Teaching Strategies               | Assessment Methods                                                                |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|
| 1.0  | <b>Knowledge and understanding</b>                                                                                                                  |                                       |                                   |                                                                                   |
| 1.1  | Define statics problems involving concurrent and non-concurrent 2D force systems writing the free body diagrams and using the equilibrium equations | K3                                    | Brain storming<br>Problem solving | Direct:<br>Theoretical Exam<br>Practical exercises<br>Homework<br>Indirect:survey |
| 1.2  | Recognize mechanical structures (trusses and frames) to determine support reactions and                                                             | K3                                    | Brain storming<br>Problem solving | Direct:<br>Theoretical Exam                                                       |



|            |                                                                                                               |    |                                              |                                                                                   |
|------------|---------------------------------------------------------------------------------------------------------------|----|----------------------------------------------|-----------------------------------------------------------------------------------|
|            | internal forces exerted on their structural members                                                           |    |                                              | Practical exercises<br>Homework<br>Indirect:survey                                |
| 1.3        | Describe statics problems involving frictional forces using laws for dry surfaces and flat belts.             | K3 | Brain storming<br>Problem solving            | Direct:<br>Theoretical Exam<br>Practical exercises<br>Homework<br>Indirect:survey |
| <b>2.0</b> | <b>Skills</b>                                                                                                 |    |                                              |                                                                                   |
| 2.1        | Plan the basic concepts and skills that form the foundation for structural and mechanical design..            | S4 | Brain storming<br>Problem solving            | Direct:Theoretical Exams Practical exercises.<br>Indirect:survey                  |
| 2.2        | Calculate the statics problems using the mathematical tools.                                                  | S5 | Brain storming<br>Problem solving            | Direct:Theoretical Exams Practical exercises.<br>Indirect:survey                  |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                   |    |                                              |                                                                                   |
| 3.1        | able to understand and analyze static forces problems on a variety of structures and engineering applications | V1 | Interactive Lecture<br>Illustrative Examples | Direct:Theoretical Exams.<br>Indirect:survey                                      |
| 3.2        | design stable structures                                                                                      | V1 | Interactive Lecture<br>Illustrative Examples | Direct:Theoretical Exams.<br>Indirect:survey                                      |



### C. Course Content

| No           | List of Topics                                                                                                                                                                                                                                               | Contact Hours |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1            | General Principles: Introduction – Fundamental Concepts – Units of Measurements – Numerical Calculations – General Procedure for Analysis.                                                                                                                   | 3             |
| 2            | Force Vectors: Scalars and Vectors – Vector Operations – Vector Addition of forces – Coplanar Forces – Cartesian Vectors – Position Vectors – Force Vector Directed Along a Line – Dot Product.                                                              | 6             |
| 3            | Equilibrium of a Particle: Condition for the Equilibrium of a particle – The free-Body Diagram – Coplanar Force Systems – 3D Force Systems.                                                                                                                  | 3             |
| 4            | Force System Resultants: Moment of a Force – Cross Product – Principle of Moments – Moment of a force about a specified Axis – Moment of a Couple – Equivalent System – Resultants of a Force and Couple System – Reduction of a Simple Distributed Loading. | 3             |
| 5            | Center of Gravity and Centroid: Center of Gravity, Center of Mass and Centroid of Body – Composite Bodies – Resultant of a General Distributed Loading – Fluid Pressure.                                                                                     | 3             |
| 6            | Moments of Inertia: Definition – Parallel-Axis Theorem for an Area – Radius of Gyration of an Area – Moments of Inertia for an Area by Integration – Moments of Inertia for Composite Areas - Moments of Inertia for Area about Inclined Axes.               | 3             |
| 7            | Internal Forces: Internal Forces Developed in Structural Members – Shear and Moment Equations and Diagrams – Relations Between Distributed Load, Shear and Moment – Cables.                                                                                  | 6             |
| 8            | Friction: Characteristics of Dry Friction – Problems Involving Dry Friction – Wedges – Frictional Forces on Flat Belts – Rolling Resistance.                                                                                                                 | 3             |
| 9            | Center of Gravity and Centroid: Center of Gravity, Center of Mass and Centroid of Body – Composite Bodies – Resultant of a General Distributed Loading – Fluid Pressure.                                                                                     | 3             |
| 10           | Moments of Inertia: Definition – Parallel-Axis Theorem for an Area – Radius of Gyration of an Area – Moments of Inertia for an Area by Integration – Moments of Inertia for Composite Areas - Moments of Inertia for Area about Inclined Axes.               | 3             |
| <b>Total</b> |                                                                                                                                                                                                                                                              | <b>45</b>     |

### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1  | Project                 | All                            | 20%                                  |
| 2  | Quizzes                 | 4,9                            | 15%                                  |
| 3  | Homework                | Weekly                         | 5%                                   |



|   |            |         |     |
|---|------------|---------|-----|
| 4 | Mid term   | Week 7  | 20% |
| 5 | Final Exam | Week 17 | 40% |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | Hibbeler R.C. Engineering Mechanics: Statics. 12th Edition, Pearson Education Inc. (2022)3                                                                                                                                                                                                                                                                                                                                                                 |
| Supportive References    | Beer F.B., Johnson E.R. and Eisenberg E.R. Vector Mechanics for Engineers: Statics. McGraw-Hill, 8th Edition.<br>Bedford Anthony and Fowler T. Wallace; Engineering Mechanics – Statics, 5th Edition, Prentice Hall.<br>Gross D, Hauger W., Schröder J., Wall W.A. and Rajapakse N. Engineering Mechanics 1: Statics. Springer Heidelberg Dordrecht.<br>Riley W.F. and Sturges L.D. Engineering Mechanics: Statics. 2nd Edition, John Wiley and Sons, Inc. |
| Electronic Materials     | Lecture notes and other support materials are available on the Black-Board and websites: <ul style="list-style-type: none"> <li>• <a href="http://www.pearsonhighered.com/hibbeler/">http://www.pearsonhighered.com/hibbeler/</a></li> <li>• <a href="http://ecourses.ou.edu/">http://ecourses.ou.edu/</a></li> </ul>                                                                                                                                      |
| Other Learning Materials | Laboratory demonstrations and Video lectures are available.                                                                                                                                                                                                                                                                                                                                                                                                |

### 2. Required Facilities and equipment

| Items                                                                                     | Resources  |
|-------------------------------------------------------------------------------------------|------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | CLASSROOMS |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | PROJECTOR  |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | -          |

## F. Assessment of Course Quality

| Assessment Areas/Issues               | Assessor    | Assessment Methods |
|---------------------------------------|-------------|--------------------|
| Effectiveness of teaching             | STUDENTS/   | Indirect           |
| Effectiveness of students' assessment | DQD/FACULTY | Direct/Indirect    |
| Quality of learning resources         | Instructor  | Direct             |

| The extent to which CLOs have been achieved | Quality committee | Direct |
|---------------------------------------------|-------------------|--------|
| Other                                       | -                 |        |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Interior Design II

Course Code: IDE 202

Program: Interior Design Engineering

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 4 (4, 0, 8)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 4<sup>th</sup> level, 2<sup>nd</sup> year

#### 4. Course General Description:

**Interior Design 2** builds on foundational design principles, focusing on the creation of dynamic and functional commercial spaces. In this studio, students will design a coffee shop, exploring the interplay of aesthetics, functionality, and user experience. They will consider factors such as customer flow, ambiance, branding, and ergonomics, while integrating materials, lighting, furniture, and spatial planning to craft a cohesive and inviting environment. Through hands-on projects, students will refine their technical and creative skills, learning to balance practical requirements with innovative design solutions tailored to the unique identity of a coffee shop.

#### 5. Pre-requirements for this course (if any):

IDE 201

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

The main objectives of **Interior Design 2** are to design functional and inviting coffee shops that prioritize user experience, integrate branding, and balance aesthetics with practicality. Students will advance their skills in spatial planning, material selection, lighting, and furniture design while developing creative problem-solving and presentation abilities to deliver innovative commercial spaces.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 120           | 100%       |
| 2  | E-learning            |               | -          |
| 3  | Hybrid                |               | -          |





| No | Mode of Instruction                                                                         | Contact Hours | Percentage |
|----|---------------------------------------------------------------------------------------------|---------------|------------|
|    | <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                           |               | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 120           |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 120           |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                                        | Code of PLOs aligned with the program | Teaching Strategies                                                             | Assessment Methods                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                     |                                       |                                                                                 |                                                                    |
| 1.1  | Recognize the program and design development for the interior of a commercial building.                                         | K2                                    | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> presentation, and juries<br><b>Indirect:</b> Survey |
| 1.2  | Recognize distinctive styles of interior design and their characteristics and the varied materials of finishes and furnishings. | K4                                    | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> presentation, and juries<br><b>Indirect:</b> Survey |
| 1.3  | Recognize the importance of universal design concepts and principles specific to commercial design.                             | K4                                    | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> presentation, and juries<br><b>Indirect:</b> Survey |





| Code       | Course Learning Outcomes                                                                                                                                                                                                                   | Code of PLOs aligned with the program | Teaching Strategies                                                             | Assessment Methods                                                                             |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>2.0</b> | <b>Skills</b>                                                                                                                                                                                                                              |                                       |                                                                                 |                                                                                                |
| 2.1        | Apply design report to design any project to ensure proper space organization.                                                                                                                                                             | <b>S4</b>                             | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Design project,<br>Weekly progress tutorials, juries<br><b>Indirect:</b> Survey |
| 2.2        | Apply Ergonomics and Anthropometrics to design projects to ensure proper space organization and effective layout.                                                                                                                          | <b>S4</b>                             | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Design project,<br>Weekly progress tutorials, juries<br><b>Indirect:</b> Survey |
| 2.3        | Conceive a functional commercial project in an existing building based on given specifications and recommended requirements such as furniture, choice of finishes, layout, lighting system, orientation models, color palette and concept. | <b>S4</b>                             | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Design project,<br>Weekly progress tutorials, juries<br><b>Indirect:</b> Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                                                                                                                |                                       |                                                                                 |                                                                                                |
| 3.1        | Use time and project management skills to minimize stress and achieve a better product.                                                                                                                                                    | <b>V2</b>                             | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Weekly progress tutorials and checks.<br><b>Indirect:</b> Survey                |
| 3.2        | Use critique and feedback on project to develop the projects without compromising her ideas or concept.                                                                                                                                    | <b>V2</b>                             | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Final Design project, presentation, and juries<br><b>Indirect:</b> Survey       |

### C. Course Content:

| No | List of Topics    | Contact Hours |
|----|-------------------|---------------|
| 1. | Coffee-shop Brief | 4             |



|       |                                                              |     |
|-------|--------------------------------------------------------------|-----|
| 2.    | Coffee-shop lecture                                          | 8   |
| 3.    | Coffee-shop Site visit : Analysis and Case Study             | 12  |
| 4.    | Coffee-shop Design Development.                              | 16  |
| 5.    | Coffee-shop Final Scheme (floor – ceiling – furniture) plans | 28  |
| 6.    | Coffee-shop Sections                                         | 16  |
| 7.    | Coffee-shop Detail Unit (Plan – Section –Elevation)          | 24  |
| 8.    | Coffee-shop 3D                                               | 12  |
| Total |                                                              | 120 |

#### D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Class Participation     | During the semester            | 5%                                   |
| 2. | Research                | Week 3                         | 10%                                  |
| 3. | Studio exercises        | Weeks 4,5                      | 45%                                  |
| 4. | Mid-term Exam           | Week 6                         | 20%                                  |
| 5. | Final Exam              | Week 16                        | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

#### E. Learning Resources and Facilities:

##### 1. References and Learning Resources:

|                          |                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <b>Book1:</b><br>- Mishaan, R., & Nasatir, J. (2014). Artfully modern. New York: The Monacelli Press.                                |
| Supportive References    | -Nair, P. (2017). Blueprint for tomorrow: Redesigning schools for student-centered learning. Cambridge, MA: Harvard Education Press. |
| Electronic Materials     | <a href="https://www.archdaily.com/">https://www.archdaily.com/</a>                                                                  |
| Other Learning Materials | - Various resources on Internet                                                                                                      |

##### 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                   |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Drawing Studio (Classroom)                                                  |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector and screen<br>Internet connection |



| Items                                                                | Resources                            |
|----------------------------------------------------------------------|--------------------------------------|
| <b>Other equipment</b><br>(Depending on the nature of the specialty) | Drawing Tables and panels for juries |

#### F. Assessment of Course Quality:

| Assessment Areas/Issues                            | Assessor          | Assessment Methods |
|----------------------------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Students/ Faculty | Indirect           |
| <b>Effectiveness of students' assessment</b>       | DQD/ Faculty      | Indirect/ Direct   |
| <b>Quality of learning resources</b>               | Instructor        | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality committee | Direct             |
| <b>Other</b>                                       | -                 | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

#### G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

|                     |                                            |
|---------------------|--------------------------------------------|
| Course Title:       | Environment IV: Acoustics                  |
| Course Code:        | IDE 324                                    |
| Program:            | Interior Design Engineering                |
| Department:         | Decoration and Interior Design Engineering |
| College:            | Engineering                                |
| Institution:        | University Of Hail                         |
| Version:            | 2 <sup>nd</sup> version                    |
| Last Revision Date: | 1december2024                              |

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| C. Course Content.....                                                               | Error! Bookmark not defined. |
| D. Students Assessment Activities .....                                              | Error! Bookmark not defined. |
| E. Learning Resources and Facilities .....                                           | Error! Bookmark not defined. |
| F. Assessment of Course Quality .....                                                | Error! Bookmark not defined. |
| G. Specification Approval .....                                                      | Error! Bookmark not defined. |





## A. General information about the course: dsds

### 1. Course Identificationn:

1. Credit hours: (3)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: ( Third year )

### 4. Course General Description:

Introduction to architectural acoustics.

Ability to understand Room acoustics and noise sources, measurements, and control.

Ability to understand the behavior of properties acoustic of materials and room shapes, sound absorption and transmission.

Ability to run Computer applications in room acoustics.

### 5. Pre-requirements for this course (if any):

### 6. Co-requirements for this course (if any):

### 7. Course Main Objective(s):

To introduce the students to the basics of sound behavior and quantification.

To present the principles of design for good hearing and freedom from noise in and around buildings.

To introduce the basics of Architectural Acoustics and its creative application in design.

To illustrate the use of both conventional equipment and latest technology of computer-based systems in acoustical measurements, analysis and evaluation.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 4X15          | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |





CXC

### 3. Contact Hours: (based on the academic semester)

| No    | Activity              | Contact Hours |
|-------|-----------------------|---------------|
| 1.    | Lectures              | 2X15          |
| 2.    | Laboratory/Studio     | 2X15          |
| 3.    | Field                 |               |
| 4.    | Tutorial              |               |
| 5.    | Others (specify)..... |               |
| Total |                       |               |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                            | Code of PLOs aligned with the program | Teaching Strategies                           | Assessment Methods                                                       |
|------|---------------------------------------------------------------------|---------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                         |                                       |                                               |                                                                          |
| 1.1  | Describe the fundamentals and basics of IDE324                      | K2                                    | Illustrative Examples, Brain storming         | Direct:<br>.Theoretical Exams<br>Practical exercises<br>Indirect: survey |
| 1.2  | Recognize the Engineering calculations of sound Behavior            | K2                                    | Problem solving discussion                    | Direct:<br>Theoretical Exams<br>Practical exercises<br>Indirect: survey  |
| 2.0  | Skills                                                              |                                       |                                               |                                                                          |
| 2.1  | Recognize the ideal Sound behavior and Fundamentals of sound design | S1                                    | Interactive Lecture<br>Group research project | Direct:<br>Theoretical Exams<br>Research (report)<br>Indirect: survey    |





|     |                                                                            |    |                                                          |                                                                       |
|-----|----------------------------------------------------------------------------|----|----------------------------------------------------------|-----------------------------------------------------------------------|
| 2.2 | Write a report regarding acoustics building types                          | S1 | Interactive Lecture<br>Group project                     | Direct:<br>Theoretical Exams<br>Research (report)<br>Indirect: survey |
| 3.0 | Values, autonomy, and responsibility                                       |    |                                                          |                                                                       |
| 3.1 | Design solution for sound problems required by the engineering discipline. | V1 | Interactive Lecture<br>Illustrative Examples<br>Research | Direct:<br>Practical exercises<br>Indirect: survey                    |
| 3.2 | Demonstrate teamwork skills                                                | V2 | Research                                                 | Direct:<br>Research (report)<br>Indirect: survey                      |

### C. Course Content:

| No | List of Topics                                                                      | Contact Hours |
|----|-------------------------------------------------------------------------------------|---------------|
| 1  | Basic theory of sound, nature, and quantification (3 weeks)                         | 6             |
| 2  | Sound absorption, theory and materials (3 weeks)                                    | 9             |
| 3  | Room acoustics (sound behavior in rooms) (2 weeks)                                  | 9             |
| 4  | Sound isolation, methods of quantification, design and control techniques (2 weeks) | 9             |
| 5  | Computer Applications in Acoustical Measurements and Evaluation (2 weeks)           | 9             |





|              |                                                                     |           |
|--------------|---------------------------------------------------------------------|-----------|
| 6            | Computer-based Acoustical Measurements and Analysis System, (MLSSA) | 9         |
| 7            | Room Acoustics Modeling and Simulation Software, (ODEON)            | 9         |
| <b>Total</b> |                                                                     | <b>60</b> |

## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1  | Mid term                | 8th week                       | 30%                                  |
| 2  | Presentation            | During the semester            | 20%                                  |
| 3  | Quizes                  | During the semester            | 10%                                  |
| 4  | Final Exam              | End of Semester                | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                                 |                                                                                                                                                                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>     | M. David Egan, Architectural Acoustics, McGraw-Hill, 2023                                                                                                                                                                                                          |
| <b>Supportive References</b>    | B.J. Smith, R. J. Peters, and S. Owen, Acoustics and Noise Control, Longman, 1988. • Peter Lord and Duncan Templeton, Detailing For Acoustics, The Architectural Press, London, 2021                                                                               |
| <b>Electronic Materials</b>     | Demonstrations and Video lectures are available                                                                                                                                                                                                                    |
| <b>Other Learning Materials</b> | Other learning material such as computer-based programs/CD, professional standards or regulations and software.<br>- Lecture notes and other support materials are available on the Web sites: <a href="http://faculty.uoh.edu.sa/">http://faculty.uoh.edu.sa/</a> |

### 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                     |
|-------------------------------------------------------------------------------------------|-------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>CLASSROOMS, LABORATORY</b> |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>PROJECTOR, SOFTWARE.</b>   |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>NOT APPLICABLE</b>         |

## F. Assessment of Course Quality:



| Assessment Areas/Issues                     | Assessor                                             | Assessment Methods |
|---------------------------------------------|------------------------------------------------------|--------------------|
| Effectiveness of teaching                   | Students / courses evaluation Survey (ces) by NCAAA  | Indirect           |
| Effectiveness of students' assessment       | Students / courses evaluation Survey (ces) by NCAAA. | Indirect           |
| Quality of learning resources               | Students / courses evaluation Survey (ces) by NCAAA. | Indirect           |
| The extent to which CLOs have been achieved | Faculty / post-teaching CLOs assessment.             | Direct             |
| Other                                       |                                                      |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **History of Interior Design II**

Course Code: **IDE224**

Program: **Interior design Engineering**

Department: **Decoration & Interior Design Engineering**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> Version**

Last Revision Date: **1 December 2024**

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 2(2,0,0)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 4, 2<sup>nd</sup> Year)

#### 4. Course General Description:

This course is a continuation of the History of Interior Design I, focusing on the evolution of architecture, interior design, and ornamentation from the Islamic era to the early 20th century, with a global perspective. It explores the cultural, social, and intellectual influences shaping these developments.

The course begins with Islamic architecture and art, examining key characteristics and aesthetic values. Students will study various art forms, including architecture, interior design, painting, and sculpture, highlighting their impact and evolution during this period. Topics include the definition and types of Islamic architecture, key styles (Romanesque, Gothic, Renaissance, Baroque, Rococo), Neoclassicism, Romantic classicism, Neo-Victorian, and Modern Architecture.

Lectures will emphasize how these art forms reflect cultural and intellectual advances, with regular evaluations and exercises.

5. Pre-requirements for this course (if any): IDE 151 History of Interior Design I

6. Co-requisites for this course (if any): None

#### 7. Course Main Objective(s):

This course aims to equip students with a comprehensive understanding of significant artworks across various fields and historical periods. Students will engage in research to explore key art forms and sciences that defined different civilizations, while also examining the factors that influenced their development. The course provides a thorough introduction to the evolution of arts and architecture throughout history, highlighting the social, cultural, and technological factors that shaped architectural and artistic achievements. By the end of the course, students will be expected to demonstrate knowledge of the chronological progression of ancient



civilizations and the major influences that shaped them. They will also be able to identify architectural features across different time periods and understand how human interaction with the environment influenced architectural forms.

## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 30            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

## 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 30            |
| 2.    | Laboratory/Studio | -             |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 30            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                        | Code of PLOs aligned with the program | Teaching Strategies                                                                                        | Assessment Methods                                                                            |
|------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                     |                                       |                                                                                                            |                                                                                               |
| 1.1  | Describe different philosophies and different concepts of design and knowledge and understanding of a number of engineering and | K4                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, quizzes, essays, students' presentations, Group discussions, and research assignments. |



| Code       | Course Learning Outcomes                                                                                                                 | Code of PLOs aligned with the program | Teaching Strategies                                                                                        | Assessment Methods                                                                            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|            | psychological data affecting it.                                                                                                         |                                       |                                                                                                            |                                                                                               |
| 1.2        | Examine distinguish and Recognize art and Architecture types in different ages, from origins to the industrial revolution                | K4                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, quizzes, essays, students' presentations, Group discussions, and research assignments. |
| 1.3        | Interpret and apply historic design style to contemporary interior environment settings.                                                 | K4                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, quizzes, essays, students' presentations, Group discussions, and research assignments. |
| 1.4        | Identify the points of the evolution of architecture and art from the primitive era to the industrial revolution.                        | K4                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, quizzes, essays, students' presentations, Group discussions, and research assignments. |
| <b>2.0</b> | <b>Skills</b>                                                                                                                            |                                       |                                                                                                            |                                                                                               |
| 2.1        | The ability for critical and analytical thinking of different historical buildings, patterns, and motifs Utilize in their design.        | S2                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, Quizzes, Essays, students' presentations, Group discussions, and research assignments  |
| 2.2        | Demonstrate ability to research and illustrate the details of architecture, interior design, furniture design techniques, and ornaments. | S3                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, Quizzes, Essays, students' presentations, Group discussions, and research assignments  |
| 2.3        | Demonstrate an understanding of the role and the variety of the arts in the different Periods.                                           | S2                                    | Interactive lectures, discussions, Illustrative Examples, student                                          | Exams, Quizzes, Essays, students' presentations, Group                                        |



| Code | Course Learning Outcomes                                                                            | Code of PLOs aligned with the program | Teaching Strategies                                                                                        | Assessment Methods                                                                           |
|------|-----------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|      |                                                                                                     |                                       | presentations, and Cooperative learning.                                                                   | discussions, and research assignments                                                        |
| 3.0  | Values, autonomy, and responsibility                                                                |                                       |                                                                                                            |                                                                                              |
| 3.1  | Analysis and compare techniques and beauty value for arts and architecture different civilizations. | V2                                    | Interactive lectures, discussions, Illustrative Examples, student presentations, and Cooperative learning. | Exams, Quizzes, Essays, students' presentations, Group discussions, and research assignments |

### C. Course Content

| No    | List of Topics                                                                                                                                     | Contact Hours |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1.    | The general introduction of Definition of Islamic Architecture and Art, Types of Islamic buildings, and the basic elements of Islamic architecture | 4             |
| 2.    | The styles of Islamic Architecture                                                                                                                 | 2             |
| 3.    | The Romanesque design in western Europe                                                                                                            | 2             |
| 4.    | Gothic Architecture                                                                                                                                | 2             |
| 5.    | Renaissance-era architecture and arts                                                                                                              | 4             |
| 6.    | General review and exercises -Quarterly evaluations                                                                                                | 2             |
| 7.    | Baroque, Rococo architecture and interior design                                                                                                   | 4             |
| 8.    | Neoclassicism, Romantic classicism, Neo Victorian                                                                                                  | 4             |
| 9.    | Modern Architecture                                                                                                                                | 4             |
| 10.   | Midterm, Final revision                                                                                                                            | 2             |
| Total |                                                                                                                                                    | 30            |

### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | Weekly                         | 5%                                   |
| 2. | Homework/ quizzes       | Weekly                         | 30%                                  |
| 3. | Presentation            | 11 <sup>th</sup> week          | 5%                                   |
| 4. | Midterm Exam            | 8 <sup>th</sup> week           | 20%                                  |



| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 5. | Final Exam              | 17 <sup>th</sup> week          | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                          |                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <p>Book 1:<br/>"Baroque and Rococo (History of Art &amp; Architecture)" Author: Erich Hubala 3. Publisher: Yale Herbert Press Ltd; New edition (28. September 1989) ISBN-13: 978-1871569049</p> <p>Book 2:<br/>"Renaissance Architecture from Brunelleschi to Michelangelo" Author: Henry A. Millon Publisher: Thames &amp; Hudson Ltd (September 1994)</p>         |
| Supportive References    | <p>Book 1:<br/>"Sir Banister Fletcher's A History of Architecture" Author: Dan Cruickshank et.al<br/>4. Publisher: Routledge; 20 edition (September 11, 1996) ISBN-13: 978-0750622677</p> <p>Book 2:<br/>The Details of Modern Architecture: Volume 1 Author: Edward R. Ford<br/>Publisher: Mit Pr; Auflage: New edition (Oktober 2003) ISBN-13: 978-0262562010</p> |
| Electronic Materials     | <p><a href="http://www.greatbuildings.com/types.html">http://www.greatbuildings.com/types.html</a><br/>Electronic library services at the university - Global search engines<br/>Provide a set of educational films for the theories of interior design<br/>Utilizing web technologies 2 in the educational process</p>                                             |
| Other Learning Materials | Other learning material such as computer-based programs/CD, professional standards or regulations, and software.                                                                                                                                                                                                                                                    |

### 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Classrooms equipped for lectures suitable seats for 25 students.                                |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | Data Show device fixed to the audio-visual presentations A laptop computer for a professor of a |





| Items                                                                | Resources                                                                                     |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                                                                      | fixed device in the classroom with the appropriate software and the ability to access the Web |
| <b>Other equipment</b><br>(depending on the nature of the specialty) | Regular office equipment CDs Printers and plotters.                                           |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of Students assessment        | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: CAD II 3D design

Course Code: IDE 242

Program: Interior design program

Department: Decoration and Interior design department

College: College of engineering

Institution: University of hail

Version: 2<sup>nd</sup> Version

Last Revision Date: 1 December 2024



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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 2 (2/0/4)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 4<sup>th</sup> Level / 2<sup>nd</sup> Year

#### 4. Course General Description:

Creating 3D visualizations for 2D plans, converting the 2D plans from the AutoCAD program into 3D visualization using 3D Max program, and creating an internal space for design application.

Develop the 3D design using V-Ray tool to create a realistic result.

#### 5. Pre-requirements for this course (if any):

IDE 141

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

After successfully completing the course, the students will be fully capable of creating three-dimensional visualizations by using the 3D Max program and acquires basic skills in Photoshop to improve the quality of the 3D design and make it as realistic as possible.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 60            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |





| No | Mode of Instruction | Contact Hours | Percentage |
|----|---------------------|---------------|------------|
| 4  | Distance learning   | -             | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 60            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 60            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                | Code of PLOs aligned with the program | Teaching Strategies           | Assessment Methods                                                |
|------|-----------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|-------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                             |                                       |                               |                                                                   |
| 1.1  | Recognize the program and design development for 3D shapes.                             | K2                                    | Interactive Lecture, tutorial | Direct:<br>Practical exercises<br>Homework<br>Indirect:<br>survey |
| 1.2  | Identify menus, icons, and shortcuts.                                                   | K2                                    | Interactive Lecture, tutorial | Direct:<br>Practical exercises<br>Homework<br>Indirect:<br>survey |
| 1.3  | Recognize the render elements align with 3D Max program and creating a realistic scene. | K2                                    | Interactive Lecture, tutorial | Direct:<br>Practical exercises<br>Homework<br>Indirect:<br>survey |





| Code | Course Learning Outcomes                                                                                       | Code of PLOs aligned with the program | Teaching Strategies                                     | Assessment Methods                                                    |
|------|----------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------|
| 2.0  | <b>Skills</b>                                                                                                  |                                       |                                                         |                                                                       |
| 2.1  | Draw architectural plans, elevations and sections accurately and neatly using 3D Max program.                  | S1                                    | Interactive Lecture, tutorial,                          | Direct: HomeWorks, Weekly progress of the project<br>Indirect: survey |
| 2.2  | Apply design strategies to design any project using 3D Max program.                                            | S1                                    | Interactive Lecture, Practical implementation tutorial, | Direct: Weekly progress of the project, Juries<br>Indirect: survey    |
| 2.3  | Apply Ergonomics and Anthropometrics to design any project using 3D Max program.                               | S1                                    | Interactive Lecture, tutorial, Cooperative learning     | Direct: Practical exercises<br>Juries<br>Indirect: survey.            |
| 3.0  | <b>Values, autonomy, and responsibility</b>                                                                    |                                       |                                                         |                                                                       |
| 3.1  | Use time and project management skills to minimize stress and achieve better product.                          | V1                                    | Practical implementation, feedback in critiques.        | Direct: Weekly progress of the project, Juries<br>Indirect: survey    |
| 3.2  | Use critique and feedback on the 3D project to develop the projects without compromising her ideas or concept. | V1                                    | feedback in critiques                                   | Direct: Presentation, Juries<br>Indirect: survey                      |

### C. Course Content:

| No | List of Topics                 | Contact Hours |
|----|--------------------------------|---------------|
| 1. | Basic Forms, Shapes& Modifiers | 30            |
| 2. | Importing AutoCAD Plans        | 4             |
| 3. | Importing Furniture Blocks     | 4             |



|       |                         |    |
|-------|-------------------------|----|
| 4.    | V-Ray Render Presets    | 4  |
| 5.    | V-Ray Material Settings | 9  |
| 6.    | V-Ray Lighting & Camera | 9  |
| Total |                         | 60 |

## D. Students Assessment Activities:

| No | Assessment Activities *                       | Assessment timing (in week no)                 | Percentage of Total Assessment Score |
|----|-----------------------------------------------|------------------------------------------------|--------------------------------------|
| 1. | Class Participation                           | During the semester                            | 5%                                   |
| 2. | Quizzes (program test)                        | 4 <sup>th</sup> and week 6 <sup>th</sup>       | 10%                                  |
| 3. | Homework ( tasks on the program)              | weekly                                         | 15%                                  |
| 4. | Project 1 (3D scene from the program) midterm | 9 <sup>th</sup> week                           | 20%                                  |
| 5. | Project 2 (3D scene from the program)         | From 10 <sup>th</sup> to 14 <sup>th</sup> week | 25%                                  |
| 6. | Portfolio (A3 book-Hard and softcopy)         | End of Semester                                | 5%                                   |
| 7. | Final Exam (program test)                     | 16 <sup>th</sup> week                          | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                       |                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References  | <b>Book1</b><br>Kutdusov, A., & Bikmullina, I. (2022). Technology for creating 3D objects in Autodesk 3ds Max and Adobe Photoshop. In SMART                                         |
|                       | <b>Book 2</b><br>3D Photorealistic Rendering - Interiors and Exteriors with V-Ray and 3ds Max. <i>GMG Publishing</i> .                                                              |
|                       | <b>Book 3</b><br>SDC Publications. <i>Autodesk 3ds Max 2024 Fundamentals</i> .                                                                                                      |
|                       | <b>Book4</b><br>GMG Publishing. <i>3D Photorealistic Rendering - Interiors and Exteriors with V-Ray and 3ds Max</i> .                                                               |
| Supportive References | <b>Architectural Rendering with 3Ds Max and V-Ray 2021</b>                                                                                                                          |
| Electronic Materials  | <b>3ds Max 2022 Help   Autodesk</b>                                                                                                                                                 |
|                       | <a href="http://www.kravet.com">www.kravet.com</a><br><a href="http://www.vraymaterials.co.uk/products/vray-materials/">http://www.vraymaterials.co.uk/products/vray-materials/</a> |



|                          |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <a href="http://www.fschumacher.com/">http://www.fschumacher.com/</a><br><a href="http://www.designtex.com/">http://www.designtex.com/</a><br><a href="http://www.designersguild.com">www.designersguild.com</a> |
| Other Learning Materials | Various resources on Internet                                                                                                                                                                                    |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                                                               |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | - Accommodation (Classrooms for 25 students.)<br>-laboratories space for 15 students.<br>- Material room<br>Strong WIFI |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | AutoCAD program<br>3D Max Program<br>V-Ray Rendering Tool<br>Photoshop Program<br>Multimedia Projector                  |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | Not Applicable                                                                                                          |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                     | Assessor              | Assessment Methods |
|---------------------------------------------|-----------------------|--------------------|
| Effectiveness of teaching                   | Faculty /students     | Direct             |
| Effectiveness of students' assessment       | Faculty / Quality DQD | Direct/ Indirect   |
| Quality of learning resources               | Instructor            | Direct             |
| The extent to which CLOs have been achieved | Quality committee     | Direct             |
| Other                                       |                       |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Model Making for Interior Design**

Course Code: **IDE 232**

Program: **Interior Design Engineering**

Department: **Decoration and Interior Design**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> version**

Last Revision Date: **1st December 2024**

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 2 (2,0,4 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (2<sup>nd</sup> Year / Level 4)

#### 4. Course General Description:

This course guides the student in making their design issues visible in the most concrete manner and creative process. In form of model using various materials such as block modeling preparation of base for models using wood or boards. Introduction to block models of buildings (or 3D Compositions) involving the usage of various materials like Soap/Wax, boards, clay etc. Detailed modeling 20. Making detailed models which includes the representation of various building elements like Walls, Columns, Steps, Windows/glazing, sunshades, and handrails using materials like mount board, snow-white board, and acrylic sheets.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

On completing this course, the students should be able to reproduce the basics of mathematics relevant to Interior Design by calculating the measurements of the materials for modelling. Identify building Materials and Technologies that can be used for Interior Design models. Demonstrate effective physical presentation of design replicating in reality. Responsible for self-learning by using of the tools of search for new information on different skills for making models. Learn independently by trying different option for the best result.





## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 60            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 15            |
| 2. | Laboratory/Studio     | 45            |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | <b>Total</b>          | <b>60</b>     |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code       | Course Learning Outcomes                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                   | Assessment Methods                                                                               |
|------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>1.0</b> | <b>Knowledge and understanding</b>                                                                                           |                                       |                                                                       |                                                                                                  |
| 1.1        | Relate the basics of mathematics relevant to Interior Design by calculating the measurements of the materials for modelling. | K1                                    | 1. Brain storming<br>2. Discussion.<br>3. Problem solving             | <b>Direct</b><br>- Homework<br>- Final Exams (Real Model)<br><b>Indirect</b> - Survey            |
| 1.2        | Identify building Materials and Technologies that can be used for Interior Design models.                                    | K4                                    | 1. Interactive Lecture<br>2. Illustrative Example<br>3. Brainstorming | <b>Direct</b><br>- Practical Exercises<br>- Final Exams (Real Model)<br><b>Indirect</b> - Survey |





| Code       | Course Learning Outcomes                                                                                            | Code of PLOs aligned with the program | Teaching Strategies                                                                                                 | Assessment Methods                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|            |                                                                                                                     |                                       | 4. Practical Implementation                                                                                         |                                                                                                  |
| ...        |                                                                                                                     |                                       |                                                                                                                     |                                                                                                  |
| <b>2.0</b> | <b>Skills</b>                                                                                                       |                                       |                                                                                                                     |                                                                                                  |
| 2.1        | Define effective physical presentation of design replicating reality.                                               | S4                                    | 1. Interactive Lecture<br>2. Illustrative Example<br>3. Presentations<br>4. Practical Implementation<br>5. Research | <b>Direct</b><br>- Practical Exercises<br>- Mid Exams (Model)<br><b>Indirect</b> - Survey        |
| 2.2        | Apply self-learning skill by using of the tools of search for new information on different skills for making models | S4                                    | 1. Interactive Lecture<br>2. Illustrative Example<br>3. Presentations<br>4. Practical Implementation<br>5. Research | <b>Direct</b><br>- Practical Exercises<br>- Final Exams (Real Model)<br><b>Indirect</b> - Survey |
| ...        |                                                                                                                     |                                       |                                                                                                                     |                                                                                                  |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                         |                                       |                                                                                                                     |                                                                                                  |
| 3.1        | Learn independently by trying different option for the best result                                                  | V2                                    | 1. Interactive Lecture<br>2. Illustrative Example<br>3. Presentations<br>4. Practical Implementation<br>1. Research | <b>Direct</b><br>- Practical Exercises<br>- Final Exams (Real Model)<br><b>Indirect</b> - Survey |
| 3.2        | Develop continuously on the personal and professional level on creativity.                                          | V2                                    | 1. Interactive Lecture<br>2. Illustrative Example<br>3. Presentations<br>4. Practical Implementation<br>Research    | <b>Direct</b><br>- Practical Exercises<br>- Final Exams (Real Model)<br><b>Indirect</b> - Survey |
| ...        |                                                                                                                     |                                       |                                                                                                                     |                                                                                                  |



### C. Course Content:

| No    | List of Topics                                                                                                                                                                                                                                           | Contact Hours |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1.    | Introduction to concepts of model making and various materials used for model making                                                                                                                                                                     | 4             |
| 2.    | Block modeling preparation of base for models using wood or boards.                                                                                                                                                                                      | 4             |
| 3.    | Introduction to block models of buildings (or 3D Compositions) involving the usage of various materials like Soap/Wax, boards, clay etc                                                                                                                  | 8             |
| 4.    | Detailed modeling 20. Making detailed models which includes the representation of various building elements like Walls, Columns, Steps, Windows/glazing, sunshades, and handrails using materials like mount board, snow-white board, and acrylic sheets | 12            |
| 5.    | Representing various surface finishes like brick/stone representation, stucco finish etc. Various site elements – Contour representation, roads/pavements, trees/shrubs, lawn, water bodies, street furniture, fencing etc                               | 12            |
| 6.    | Making models of the various interior spaces such as: residences, offices, retail spaces, recreational spaces, scaled models of furniture                                                                                                                | 12            |
| 7.    | Carpentry, introducing the techniques of planning, chiseling & jointing in timber to learn the use of hand tools.                                                                                                                                        | 8             |
| ...   |                                                                                                                                                                                                                                                          |               |
| Total |                                                                                                                                                                                                                                                          | 60            |

### D. Students Assessment Activities:

| No | Assessment Activities *               | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|---------------------------------------|--------------------------------|--------------------------------------|
| 1. | Participation                         | All weeks                      | 5%                                   |
| 2. | Homework                              | 2                              | 10%                                  |
| 3. | Practical exercises (Concept Model 1) | 5                              | 10%                                  |
| 4. | Practical exercises (Concept Model 2) | 7                              | 10%                                  |
| 5. | Mid Exam (Architectural Model)        | 9                              | 25%                                  |
| 6. | Final Exam (Real Model)               | 15                             | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

### E. Learning Resources and Facilities:

#### 1. References and Learning Resources:



|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>     | <ul style="list-style-type: none"> <li>- David, L. (2022). A History of Architectural Modelmaking in Britain: The Unseen Masters of Scale and Vision, Taylor &amp; Francis Ltd. 9781032286785.</li> <li>- Matt, D. (2013). Model Making for Architects, the Crowood Press, ISBN: 978184797623.</li> <li>- Neat, D. (2008). Model-making: Materials and Methods, The Crowood Press Ltd, ISBN: 9781847970176</li> <li>- Colin Winslow, (2008). The Handbook of Model-making for Set Designers. 978-1847970190</li> </ul> |
| <b>Supportive References</b>    | <ul style="list-style-type: none"> <li>- Azam Nemati Chermahini, A. N. (2014) Model Making, a Supporting Tool in Product Design Development, Research Week at: Isfahan Art University, Iran.</li> <li>- Martha Sutherland, (1999). Model Making; A Basic Guide (Norton Professional Books for Architects &amp; Designers. 9780393730425</li> </ul>                                                                                                                                                                     |
| <b>Electronic Materials</b>     | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> <li>- <a href="https://ark-architects.com/the-importance-of-architectural-model-making-by-ark-architects/">https://ark-architects.com/the-importance-of-architectural-model-making-by-ark-architects/</a></li> </ul>                                                                                                                                                                         |
| <b>Other Learning Materials</b> | <ul style="list-style-type: none"> <li>- Megan Werner (2011) Model Making. Princeton Architectural Press, New York</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                                                                      |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample<br><br>Natural and artificial light |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector, screen and Internet connection                                                      |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | None                                                                                                                           |

## F. Assessment of Course Quality:

| Assessment Areas/Issues          | Assessor          | Assessment Methods |
|----------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b> | Faculty / Student | Indirect           |



| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of students' assessment       | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality Committee | Direct             |
| Other                                       |                   |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Interior Design Studio III

Course Code: IDE 301

Program: Interior Design Engineering

Department: Decoration and Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 december 2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 4 (0/0/4)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: Level 5 , year 3

#### 4. Course General Description:

This studio design project is a course that guides and pushes the student to investigate and develop his knowledge in the design of healthcare facilities. The students should be able to identify analyze and create design solutions for successful healthcare interior environments addressing the user's aesthetic, psychological, functional and physical needs in relation to their built environment. Develop a working knowledge of finishing materials, furniture, accessories, building systems and others as they apply to the built environment of administrative and commercial buildings.

Upon completion of the course students will develop critical thinking required to develop appropriate solutions to design problems based on conventional and visual research then produce a concept that respects functionality, aesthetics, and health.

#### 5. Pre-requirements for this course (if any):

IDE 202

#### 6. Co-requisites for this course (if any):

No co-requisites courses

#### 7. Course Main Objective(s):

This course aims to design healthcare projects and solutions that respond to needs of practices with special requirements, to covers the design processes for interiors of medical spaces, including spatial functions, circulation, furniture arrangement, lighting, accessories and more, to Develop the ability to make full use of the design process, to Demonstrate knowledge of the sources of materials and products specific to the design of the healthcare built environment.

### 2. Teaching mode (mark all that apply)





| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 120           | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | -             |
| 2.    | Laboratory/Studio | 120           |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 120           |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                                 | Code of PLOs aligned with the program | Teaching Strategies                                          | Assessment Methods                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                              |                                       |                                                              |                                                                                   |
| 1.1  | List healthcare furniture plans, equipment plans, and fixtures plans that are specific to needs of a practice with special requirements. | K4                                    | Interactive Lecture, Presentations, Practical implementation | <b>Direct:</b> Weekly progress of project,<br><b>Indirect:</b> survey             |
| 1.2  | Understand the work environment and anthropometric measurements and their role in determining the internal planning for                  | K2                                    | Lectures, Illustrative Examples, Practical implementation    | <b>Direct:</b> Weekly progress of project, and juries.<br><b>Indirect:</b> survey |





| Code | Course Learning Outcomes                                                                                                                      | Code of PLOs aligned with the program | Teaching Strategies                                             | Assessment Methods                                                                              |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|      | a health care design project                                                                                                                  |                                       |                                                                 |                                                                                                 |
| 1.3  | Explain the principal theories, concepts, and terminology for healthcare design.                                                              | K4                                    | Lecture, Illustrative Examples, Practical implementation        | <b>Direct:</b> Weekly progress of project, presentation, and juries.<br><b>Indirect:</b> survey |
| 2.0  | <b>Skills</b>                                                                                                                                 |                                       |                                                                 |                                                                                                 |
| 2.1  | Draw all technical plans, elevations and sections accurately and neatly.                                                                      | S3                                    | Illustrative Examples, Presentations, Practical implementation. | <b>Direct:</b> Weekly progress of project and juries.<br><b>Indirect:</b> survey                |
| 2.2  | Demonstrate creative thinking and originality through presentation of a variety of ideas, approaches, and concepts to design requirements.    | S1                                    | Presentations, Practical implementation                         | <b>Direct:</b> Weekly progress of project, presentation, and juries<br><b>Indirect:</b> survey  |
| 2.3  | Conceive a functional healthcare project in an existing building according to specific specifications and requirements for the design process | S1                                    | Illustrative Examples, Presentations, Practical implementation  | <b>Direct:</b> Weekly progress of project.<br><b>Indirect:</b> survey                           |
| 3.0  | <b>Values, autonomy, and responsibility</b>                                                                                                   |                                       |                                                                 |                                                                                                 |
| 3.1  | Engage effectively with teams to achieve goals by being aware teamwork structures and dynamics, team ethics                                   | V1                                    | Feedback critiques in and tutorial                              | <b>Direct:</b> Weekly progress of project, presentation, and juries<br><b>Indirect:</b> survey  |



| Code | Course Learning Outcomes                                                             | Code of PLOs aligned with the program | Teaching Strategies      | Assessment Methods                                                    |
|------|--------------------------------------------------------------------------------------|---------------------------------------|--------------------------|-----------------------------------------------------------------------|
| 3.2  | Use time and project management skills to minimize stress and achieve better product | V1                                    | Practical implementation | <b>Direct:</b> Weekly progress of project.<br><b>Indirect:</b> survey |

### C. Course Content

| No    | List of Topics                                                                                               | Contact Hours |
|-------|--------------------------------------------------------------------------------------------------------------|---------------|
| 1.    | Course Description, Schedule and Introduction to the project (health care clinic)                            | 8             |
| 2.    | Research of design standards, site visit and case studies analytical for similar health care clinic projects | 8             |
| 3.    | Mood board :Practical applications during the studio works                                                   | 8             |
| 4.    | Zoning and bubble diagram : practical applications during the studio works                                   | 8             |
| 5.    | Architectural plan (Functions and Circulation): practical applications during the studio works.              | 12            |
| 6.    | Furniture Design and Usages: Practical Applications During the Studio Works.                                 | 12            |
| 7.    | Flooring plan: practical applications during the studio works.                                               | 8             |
| 8.    | Lighting and ceiling Design: Practical Applications During the Studio Works.                                 | 8             |
| 9.    | Elevation: Practical Applications During the Studio Works.                                                   | 8             |
| 10.   | Cross section: Practical Applications During the Studio Works.                                               | 8             |
| 11.   | Detailing Drawings: Practical Applications During the Studio Works.                                          | 8             |
| 12.   | 3 D shots / perspective: Practical Applications During the Studio Works.                                     | 8             |
| 13.   | Material and furniture mood board: Practical Applications During the Studio Works.                           | 8             |
| 14.   | Final Project Submission and Presentation.                                                                   | 8             |
| Total |                                                                                                              | 120           |

### D. Students Assessment Activities

| No | Assessment Activities *                       | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-----------------------------------------------|--------------------------------|--------------------------------------|
| 1. | Participation                                 | Weekly                         | 5%                                   |
| 2. | Research presentation                         | 3,4                            | 5%                                   |
| 3. | Studio exercises (Weekly progress of project) | Weekly                         | 50%                                  |
| 4. | Midterm Exam (jury)                           | Week 9                         | 20%                                  |





| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 5  | Final Exam (jury)       | Week 16                        | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                      |                                                                                                                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References | <b>Book1:</b><br>Title Biophilic Design: The Theory, Science and Practice of Bringing Buildings to Life<br>Stephen R. Kellert (Author), Judith Heerwagen (Author), Martin Mador (Author)<br>Publisher : Wiley; 1st edition (April 23, 2013)<br>ISBN-10 : 0470163348<br>ISBN-13 : 978-0470163344 |
|                      | <b>Book2:</b><br>Title : Modern Clinic Design: Strategies for an Era of Change<br>Christine Guzzo Vickery (Editor), Gary Nyberg (Editor), Douglas Whiteaker (Editor)<br>Publisher : Wiley; 1st edition (April 20, 2015)<br>ISBN-10 : 1118765060<br>ISBN-13 : 978-1118765067                     |
|                      | <b>Book3:</b><br>Title : " Architects' Data "<br>Author: Ernst Neufert,<br>- Publisher : Wiley-Blackwell; 5th edition (12 July 2019)<br>ISBN-10 : 111928435X<br>ISBN-13 : 978-1119284352                                                                                                        |
|                      | <b>Book4:</b><br>-Title : Fundamentals of Lighting: Studio Instant Access<br>Author: Susan M. Winchip<br>Publisher : Fairchild Books; 3rd edition (12 January 2017)<br>ISBN-10 : 1501317660<br>ISBN-13 : 978-1501317668                                                                         |
|                      | <b>Book5:</b><br>Title: Sustainable Healthcare Architecture<br>Robin Guenther (Author), Gail Vittori (Author)<br>Publisher : Wiley; 2nd edition (July 22, 2013)<br>ISBN-10 : 1118086821<br>ISBN-13 : 978-1118086827                                                                             |



|                                 |                                                                                                                                                                                                                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | <b>Book6:</b><br>Title: Housing Design for an Increasingly Older Population: Redefining Assisted Living for the Mentally and Physically Frail 1st Edition<br>Victor Regnier (Author)<br>Publisher : Wiley; 1st edition (September 12, 2018)<br>ISBN-10 : 1119180031<br>ISBN-13 : 978-1119180036 |
| <b>Supportive References</b>    | Journal of Interior Design<br>Publisher: Wiley                                                                                                                                                                                                                                                  |
| <b>Electronic Materials</b>     | -UOH Electronic library<br>-UOH Blackboard Learning Management System                                                                                                                                                                                                                           |
| <b>Other Learning Materials</b> | - <a href="https://www.archdaily.com/">https://www.archdaily.com/</a><br>- <a href="https://www.pinterest.com/CPC3/interior-design/">https://www.pinterest.com/CPC3/interior-design/</a>                                                                                                        |

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                                                                             |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample natural and artificial light.                              |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | -Instructor computer linked to a projector and screen<br>Internet connection<br>-UoH Electronic library and the Blackboard Learning Management System |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Space to present projects on walls or partitions                                                                                                      |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Student / faculty | Indirect           |
| Effectiveness of Students assessment        | Faculty/ DQD      | Direct/ indirect   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       |                   |                    |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))



**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | <b>DECORATION AND INTERIOR DESIGN ENGINEERING<br/>DEPARTMENT COUNCIL</b> |
| <b>REFERENCE NO.</b>      | <b>9<sup>TH</sup> - 2024/2025</b>                                        |
| <b>DATE</b>               | <b>05/02/2025</b>                                                        |





# Course Specification

## (Bachelor)

Course Title: Environment III - Illumination

Course Code: IDE 323/IDE 323 P

Program: Interior Design Engineering Program

Department: Decoration and Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1<sup>st</sup> December 2024



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## A. General information about the course:

### 1. Course Identification

1. Credit hours: (2)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 5 / Third Year)

#### 4. Course general Description:

This course discusses the concept of light, vision, and color. Different types of lighting layers. The functions and different applications of various luminaries and lamps. The lighting system design procedures; calculation and measurement techniques. The evaluation of interior lighting quality, and daylighting analysis and design.

Upon completion of the course the students will be able to develop a detailed lighting plan and prepare the cutsheets needed to illustrate the lighting design's intent.

#### 5. Pre-requirements for this course (if any):

PHYS 102

#### 6. Co-requisites for this course (if any):

None

#### 7. Course Main Objective(s):

##### What is the main purpose for this course?

- 1- Be able to develop knowledge of basic terms and measurement of Light for applications in buildings.
- 2- Be able to conduct proper and simple analysis of an existing lighting system to assess its performance and to evaluate its ability to meet preset design criteria.
- 3- Be able to design basic lighting systems and understand the affecting factors and the necessary procedure.



## 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 75            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 45            |
| 2.    | Laboratory/Studio | 15            |
| 3.    | Field             |               |
| 4.    | Tutorial          |               |
| 5.    | Others (specify)  |               |
| Total |                   | 60            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                        | Code of CLOs aligned with program | Teaching Strategies                                                                                                         | Assessment Methods                                                                                                                                      |
|------|-----------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                     |                                   |                                                                                                                             |                                                                                                                                                         |
| 1.1  | Recall the fundamental knowledge of physics to lighting system. | K2                                | <ol style="list-style-type: none"> <li>Interactive Lecture</li> <li>Brainstorming</li> <li>Illustrative examples</li> </ol> | <b>Direct</b> <ul style="list-style-type: none"> <li>Homework</li> <li>Mid Exam</li> <li>Quiz</li> <li>Final Project</li> </ul> <b>Indirect-</b> Survey |
| 1.2  | Describe Materials and techniques employed in lighting          | K2                                | <ol style="list-style-type: none"> <li>Interactive Lecture</li> <li>Brainstorming</li> </ol>                                | <b>Direct</b> <ul style="list-style-type: none"> <li>Homework</li> <li>Mid Exam</li> <li>Final exam</li> </ul>                                          |



| Code       | Course Learning Outcomes                                                                                                                                    | Code of CLOs aligned with program | Teaching Strategies                                                                          | Assessment Methods                                                                |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|            |                                                                                                                                                             |                                   | 3. Illustrative examples                                                                     | <b>Indirect</b> - Survey                                                          |
| ...        |                                                                                                                                                             |                                   |                                                                                              |                                                                                   |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                               |                                   |                                                                                              |                                                                                   |
| 2.1        | Recognize the fundamentals of engineering in solving routine problems in Architectural Engineering                                                          | <b>S4</b>                         | 1. Cooperative learning<br>2. Research<br>3. Illustrative examples<br>4. Interactive Lecture | <b>Direct</b><br>- Final Project<br>- Mid/ Final Exam<br><b>Indirect</b> - Survey |
| 2.2        | Derive appropriate Design methods for modelling and analyzing lighting Engineering problems.                                                                | <b>S3</b>                         | 1. Cooperative learning<br>2. Research<br>3. Illustrative examples<br>4. Interactive Lecture | <b>Direct</b><br>- Homework<br>- Final Project<br><b>Indirect</b> - Survey        |
| ...        |                                                                                                                                                             |                                   |                                                                                              |                                                                                   |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                                 |                                   |                                                                                              |                                                                                   |
| 3.1        | Demonstrate responsibility for their self-learning by using of the tools of search for new information                                                      | <b>V2</b>                         | 1. Presentations<br>2. Practical Implementation<br>3. Research                               | <b>Direct</b><br>- Homework<br>- Final Project<br><b>Indirect</b> - Survey        |
| 3.2        | Appraise the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. | <b>V2</b>                         | 1. Presentations<br>2. Practical Implementation<br>3. Cooperative learning<br>4. Research    | <b>Direct</b><br>- Final Project<br><b>Indirect</b> - Survey                      |
| ...        |                                                                                                                                                             |                                   |                                                                                              |                                                                                   |





## C. Course Content

| No    | List of Topics                                                                | Contact Hours |
|-------|-------------------------------------------------------------------------------|---------------|
| 1.    | Illumination Concept and applications                                         | 3             |
| 2.    | Lighting in Different Spaces                                                  | 7             |
| 3.    | Qualities Of Light (light, vision, color)                                     | 7             |
| 4.    | Light Sources (incandescent, Halogen, Fluorescent)                            | 7             |
| 5.    | Light Sources (HID, Light-Emitting Diodes (LED), Neon and Cold Cathode Lamps) | 5             |
| 6.    | The Layers Approach                                                           | 5             |
| 7.    | Luminaires                                                                    | 6             |
| 8.    | Lighting Control – Lighting Design Approach                                   | 5             |
| 9.    | Quantity Of Light                                                             | 5             |
| 10.   | Documenting Lighting Design                                                   | 10            |
| Total |                                                                               | 60            |

## D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All weeks                      | 5%                                   |
| 2. | Homework                | 3rd                            | 5%                                   |
| 3. | Quiz                    | 5th                            | 10%                                  |
| 4. | Mid exam                | 8th                            | 25%                                  |
| 5. | Final project           | 7th                            | 15%                                  |
| 6. | Final exam              | 11th                           | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

#### Essential References

- Sally, S. (2021). Inspired by Light: A design guide to transforming the home. RIBA Publishing, ISBN-13 978-1859469057.
- Sarah, S. Cindi. S, Sarah, H. Martha, M. Berry, L. P. (2021). Electrifying Design: A Century of Lighting, Yale University Press, and ISBN-13 978-0300254570.



|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | <ul style="list-style-type: none"> <li>- Admir, J. (2019). Architectural Lighting Design: A Practical Guide, the Crowood Press, ISBN-13 978-1785004575.</li> <li>- Susan M. W. (2017). Fundamentals of Lighting: Studio Instant Access, Fairchild Books, 3rd Edition ISBN-13 978-1501317668</li> </ul>                                                                                                                                                                           |
| <b>Supportive References</b>    | <ul style="list-style-type: none"> <li>- M. David Egan, and Victor W. Olgyay, "Architectural Lighting", 2001, McGraw-Hill, Science/Engineering/Math; 2nd Edition</li> <li>- Rüdiger Ganslandt and Harald Hofmann, "Handbook of Lighting Design", 1992; ERCO Edition</li> <li>- M. David Egan, Concepts in Architectural Lighting.</li> <li>- Walter T. Grondzik , Alison G. Kwok , Benjamin Stein, John S. Reynolds, Mechanical and Electrical Equipment for Building</li> </ul> |
| <b>Electronic Materials</b>     | Lecture notes and other support materials are available on the Web sites: <a href="http://faculty.uoh.edu.sa/">http://faculty.uoh.edu.sa/</a>                                                                                                                                                                                                                                                                                                                                    |
| <b>Other Learning Materials</b> | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Classroom                                                                 |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | Instructor computer linked to a projector, screen and Internet connection |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Online Learning such as Blackboard Learn                                  |

## F. Assessment of Course Quality

| Assessment Areas/Issues                            | Assessor          | Assessment Methods |
|----------------------------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Faculty / Student | Indirect           |
| <b>Effectiveness of students' assessment</b>       | DQD/ Faculty      | Indirect/ Direct   |
| <b>Quality of learning resources</b>               | Instructor        | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality Committee | Direct             |
| Other                                              | -                 | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Construction Details**

Course Code: **IDE313**

Program: **Interior Design Engineering Program**

Department: **Decoration and Interior Design Engineering**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> version**

Last Revision Date: **1st December 2024**

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 2 (2,2,0)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 5 / 3<sup>rd</sup> year)

### 4. Course General Description:

This course covers latest technologies of combined different materials together, e.g. false ceiling, flooring materials and their construction technics, partitions, doors, windows, metals, fittings and appliances.

5. Pre-requirements for this course (if any): IDE213 Construction systems

6. Co-requirements for this course (if any): None

### 7. Course Main Objective(s):

On completing this course, the attendees will be able to identify building Materials employed in Interior Design. Explain Technologies and construction techniques employed in Interior Design. Classify the concepts, professional and operative system of interior construction. Categorize the fundamentals of engineering in solving and analyzing construction problems in Interior Design Engineering. Interpret Interior Design Engineering and construction problems in-depth and find innovative solutions based on interior construction. Exercise sense of leadership and responsibility while working with others in terms of ethics and time management in solving interior construction problems.



## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 30            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 30            |
| 2. | Laboratory/Studio     |               |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | Total                 | 30            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                  | Code of PLOs aligned with the program | Teaching Strategies                                                    | Assessment Methods                                              |
|------|---------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                               |                                       |                                                                        |                                                                 |
| 1.1  | Identify building Materials employed in Interior Design                   | K2                                    | 1. Interactive Lecture<br>2. Brainstorming<br>3. Illustrative examples | <b>Direct</b><br>- Quiz<br>- MidExam<br><b>Indirect-</b> Survey |
| 1.2  | Explain Technologies construction techniques employed in Interior Design. | K2                                    | 1. Interactive Lecture<br>2. Brainstorming<br>3. Illustrative examples | <b>Direct</b><br>- Mid/ Final Exams<br><b>Indirect-</b> Survey  |



| Code       | Course Learning Outcomes                                                                                                                                    | Code of PLOs aligned with the program | Teaching Strategies                                                                                                       | Assessment Methods                                                      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.3        | Classify the concepts and professional and operative system of interior construction.                                                                       | K2                                    | 1. Interactive Lecture<br>2. Brainstorming<br>3. Illustrative examples                                                    | <b>Direct</b><br>- Mid/ Final Exams<br><b>Indirect</b> - Survey         |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                               |                                       |                                                                                                                           |                                                                         |
| 2.1        | Categorize the fundamentals of engineering in solving and analyzing construction problems in Interior Design Engineering.                                   | S1                                    | 1. Interactive lecture<br>2. Cooperative learning<br>3. Problem solving.                                                  | <b>Direct</b><br>- Final Exams<br><b>Indirect</b> - Survey              |
| 2.2        | Interpret Interior Design Engineering and construction problems in-depth and find innovative solutions based on interior construction.                      | S2                                    | 1. Interactive lecture<br>2. Illustrative Examples<br>3. Brain storming<br>4. Cooperative learning<br>5. Problem solving. | <b>Direct</b><br>- Homework<br>- Final Exam<br><b>Indirect</b> - Survey |
| ...        |                                                                                                                                                             |                                       |                                                                                                                           |                                                                         |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                                 |                                       |                                                                                                                           |                                                                         |
| 3.1        | Exercise sense of leadership and responsibility while working with others in terms of ethics and time management in solving interior construction problems. | V1                                    | 1. Research<br>2. Cooperative learning                                                                                    | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey        |
| ...        |                                                                                                                                                             |                                       |                                                                                                                           |                                                                         |





## C. Course Content:

| No    | List of Topics                                     | Contact Hours |
|-------|----------------------------------------------------|---------------|
| 1.    | Flooring materials and their construction technics | 12            |
| 2.    | Partitions                                         | 4             |
| 3.    | Doors                                              | 4             |
| 4.    | Windows                                            | 4             |
| 5.    | Fittings and appliances                            | 4             |
| 6.    | Metal                                              | 2             |
| ---   |                                                    |               |
| Total |                                                    | 30            |

## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All weeks                      | 5%                                   |
| 2. | Quiz                    | 3                              | 10%                                  |
| 3. | Research ( report )     | 5                              | 10%                                  |
| 4. | Homework                | 9                              | 10%                                  |
| 5. | Midterm Exam            | 7                              | 25%                                  |
| 6. | Final Exam              | 15                             | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References  | <ul style="list-style-type: none"> <li>- P. J. Do Val (2019). Construction Detailing for Interior Design, Fairchild Books, Bloomsbury Publishing Incorporated, ISBN 9781501352669.</li> <li>- David, K. B. (2010). Interior Detailing Concept to Construction, John Wiley &amp; Sons, Inc 978-0-470-50497-0.</li> <li>- Francis, D. K. C. (2019). Building Construction Illustrated, 9781119583165.</li> </ul> |
| Supportive References | <ul style="list-style-type: none"> <li>- Architizer Editors Young Architect Guide: Residential Construction Details<br/><a href="https://architizer.com/blog/practice/details/residential-construction-details/">https://architizer.com/blog/practice/details/residential-construction-details/</a></li> </ul>                                                                                                 |
| Electronic Materials  | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> </ul>                                                                                                                                                                                                                                                                                |





### Other Learning Materials

- <https://theconstructor.org/building/types-of-flooring-materials-uses-building/16992/>
- <https://www.facebook.com/JeffMackDesigns/videos/607176786629791/?sfnsn=scwspwa&extid=n827j9e5jvinH14N&d=w&vh=e>

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                       |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Class space furnished for more than 30 students                 |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to projector and Internet connection |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | None                                                            |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Faculty / Student | Indirect           |
| Effectiveness of students' assessment       | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality Committee | Direct             |
| Other                                       |                   |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Textiles**

Course Code: **IDE 315**

Program: **Interior Design Engineering**

Department: **Decoration and Interior Design Engineering department**

College: **College of Engineering**

Institution: : **University of Hail**

Version: **2<sup>nd</sup> Version**

Last Revision Date: **1 December 2024**

## Table of Contents

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| E. Learning Resources and Facilities .....                                           | Error! Bookmark not defined. |
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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3/1/4)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 5<sup>th</sup> Level 5, 3<sup>rd</sup> year

#### 4. Course General Description:

Students work with a number of man-made and natural fibers in the class, as they learn about their characteristics and uses. The course content includes a study of textiles, materials and resources for the interior environment, which considers finish products and their application as well as manufacturing processes, design methods, aesthetic application, installation methods, maintenance, and specifications.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

Textiles course will help students to understand the different kinds of fabrics and the applications that are related to interior design

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                            | Contact Hours | Percentage |
|----|--------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                          | 75            | 100%       |
| 2  | E-learning                                                                     | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> </ul> | -             | -          |





| No | Mode of Instruction | Contact Hours | Percentage |
|----|---------------------|---------------|------------|
|    | • E-learning        |               |            |
| 4  | Distance learning   | -             | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 15            |
| 2. | Laboratory/Studio     | 60            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 75            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                               | Code of PLOs aligned with the program | Teaching Strategies                                                              | Assessment Methods                                                         |
|------|------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                            |                                       |                                                                                  |                                                                            |
| 1.1  | Recognize the fabric in interior design                                | K4                                    | Interactive Lecture<br>Illustrative Examples                                     | Indirect:<br>Survey<br>Direct:<br>Theoretical Exams                        |
| 1.2  | Recognize the textiles applications                                    | K4                                    | Interactive Lecture<br>Brain storming<br>Problem solving<br>Design investigation | Indirect:<br>Survey<br>Direct:<br>Theoretical Exams<br>Practical exercises |
| 2.0  | Skills                                                                 |                                       |                                                                                  |                                                                            |
| 2.1  | Show the kinds of fabrics and the use of each type in interior design. | S3                                    | Presentations<br>Practical implementation<br>discussion                          | Indirect:<br>Survey                                                        |





| Code | Course Learning Outcomes                                                                                                  | Code of PLOs aligned with the program | Teaching Strategies                                     | Assessment Methods                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------|
|      |                                                                                                                           |                                       | tutorials                                               | Direct: weekly progress of Project Practical exercises                   |
| 2.2  | Deduce the textiles specification, testing and Labeling                                                                   | S3                                    | Problem solving<br>Cooperative learning<br>Presentation | Indirect: Survey<br>Direct: weekly progress of Project Theoretical Exams |
| 2.3  | Use the properties of each type of fabric to conceive a functional and aesthetic product in the field of interior design. | S2                                    | Feedback in<br>critiques<br>Discussion<br>Presentation  | Indirect: Survey<br>Direct: weekly progress of Project presentation,     |
| 3.0  | Values, autonomy, and responsibility                                                                                      |                                       |                                                         |                                                                          |
| 3.1  | Manage time and resources to work effectively as a group towards a common goal to achieve the project goals               | V1                                    | Feedback in<br>critiques<br>Presentation                | Indirect: Survey<br>Direct: presentation, weekly progress of Project     |

### C. Course Content:

| No | List of Topics                                    | Contact Hours |
|----|---------------------------------------------------|---------------|
| 1. | Course Description, Schedule and Introduction.    | 5             |
| 2. | Evaluating Textiles for Interiors (testing-codes) | 10            |
| 3. | The Textiles Industry, Profession and Careers.    | 10            |
| 4. | Fiber Classification and Properties               | 10            |
| 5. | Natural fibres                                    | 10            |
| 6. | Synthetic fibres                                  | 10            |
| 7. | Fabricating textiles for interiors                | 10            |
| 8. | Fabric finishing end use of textiles              | 5             |





|       |                      |    |
|-------|----------------------|----|
| 9.    | Sustainable textiles | 5  |
| Total |                      | 75 |

## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no)                                               | Percentage of Total Assessment Score |
|----|-------------------------|------------------------------------------------------------------------------|--------------------------------------|
| 1. | Participation           | Weekly                                                                       | 5%                                   |
| 2. | Quizzes                 | 4 <sup>th</sup> and 8 <sup>th</sup> week                                     | 10%                                  |
| 3. | Practical exercises (5) | 2 <sup>nd</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> and 6 <sup>th</sup> week | 20%                                  |
| 4. | Textiles Project        | 7 <sup>th</sup> , 10 <sup>th</sup> to 15 <sup>th</sup> week                  | 20%                                  |
| 4. | Midterm                 | 9 <sup>th</sup> Week                                                         | 20%                                  |
| 5. | Final Exam ( Juries)    | 16 <sup>th</sup> week                                                        | 25%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <p><b>Book1</b><br/>Willbanks, A., Oxford, N., &amp; Miller, D. (2014). Textiles for residential and commercial interiors. Bloomsbury Publishing.</p> <p><b>Book2</b><br/>Yates, M. P., &amp; Condra, A. (2024). <i>Textiles for Residential and Commercial Interiors</i> (6th ed.). Fairchild Books.</p>                                                                                                                                                                        |
| Supportive References    | <p>-Fang, Y., Chen, G., Bick, M., &amp; Chen, J. (2021). Smart textiles for personalized thermoregulation. <i>Chemical Society Reviews</i>.</p> <p>-Trippeer, B., Stark, J., Gam, H., Ellis, N., Morgan, B., &amp; Park, J. G. P. (2022). Sustainable Textiles for Health and Well-being: An Investigation of Curricular Opportunities for Fashion Design and Interior Design Student Collaboration. <i>Journal of Textile Design Research and Practice</i>, 10(2), 214-238.</p> |
| Electronic Materials     | <a href="https://textileexchange.org/">https://textileexchange.org/</a>                                                                                                                                                                                                                                                                                                                                                                                                          |
| Other Learning Materials | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### 2. Educational and Research Facilities and Equipment Required:





| Items                                                                                     | Resources                                                                                 |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>Classroom to accommodate at least 25 students with natural and artificial light</b>    |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>Instructor computer linked to a projector and screen</b><br><b>Internet connection</b> |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>Space to present projects on walls or partitions</b>                                   |

#### F. Assessment of Course Quality:

| Assessment Areas/Issues                            | Assessor              | Assessment Methods |
|----------------------------------------------------|-----------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Faculty / students    | Direct             |
| <b>Effectiveness of students' assessment</b>       | Faculty / Quality DQD | Direct             |
| <b>Quality of learning resources</b>               | Instructor            | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality committee     | Direct             |
| <b>Other</b>                                       | -                     | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

#### G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Human Behavior**

Course Code: **IDE 327**

Program: **Interior Design Program**

Department: **Decoration and Interior Design Engineering**

College: **College of Engineering**

Institution: : **University of Hail**

Version: **2<sup>nd</sup> Version**

Last Revision Date: **1 December 2024**

## Table of Contents

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| G. Specification Approval .....                                                      | Error! Bookmark not defined. |





## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3/3/0)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 5<sup>th</sup> Level 5/ 3<sup>rd</sup> Year

### 4. Course General Description:

This course contains the introduction, the basic psychology of designing spaces and places for human occupancy, definition of space and privacy as they relate to both residential and non-residential environments, the concepts of human behavior, personality and space basic knowledge of crowding, territoriality, and attitudes relative to personal space, managing limited resources and the design of habitable environments.

### 5. Pre-requirements for this course (if any):

None

### 6. Co-requirements for this course (if any):

None

### 7. Course Main Objective(s):

In completing the course, students should be able to Relate the use of basics of Drawing and Colors to improve the user's mood in a space. Identify building Materials and Technologies and construction techniques that will provide privacy for human occupancy. Outline the professional responsibilities and the concepts of safe design and operation for human occupancy. Simplify the fundamentals of engineering in managing limited resources and the design of habitable environments in Interior Design Engineering. Develop the ability to work effectively as a member of teams in providing efficient personal space. Improvement on personal and professional level by learning and developing independently.

### 2. Teaching Mode: (mark all that apply)



| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     | -             |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | <b>Total</b>          | <b>45</b>     |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                                | Code of PLOs aligned with the program | Teaching Strategies                                                                                                          | Assessment Methods                              |
|------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                             |                                       |                                                                                                                              |                                                 |
| 1.1  | Relate the use of basics of Drawing and Colors to improve the user's mood in a space                                    | K4                                    | Interactive lecture <ul style="list-style-type: none"> <li>Brain storming</li> <li>Cooperative learning</li> </ul>           | Direct Quiz<br>Mid Exam<br>Indirect Survey      |
| 1.2  | Identify building Materials and Technologies and construction techniques that will provide privacy for human occupancy. | K4                                    | <ul style="list-style-type: none"> <li>Illustrative examples</li> <li>Brain storming</li> <li>Interactive lecture</li> </ul> | Direct Homework<br>Mid Exams<br>Indirect Survey |
| 1.3  | Outline the professional responsibilities and                                                                           | K4                                    | <ul style="list-style-type: none"> <li>Illustrative examples</li> <li>Brain storming</li> </ul>                              | Direct Homework                                 |



| Code | Course Learning Outcomes                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                                                                              | Assessment Methods                                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|      | the concepts of safe design and operation for human occupancy.                                                                               |                                       | •Interactive lecture                                                                                                             | Mid and Final Exams<br>Indirect Survey                     |
| 2.0  | Skills                                                                                                                                       |                                       |                                                                                                                                  |                                                            |
| 2.1  | Apply the fundamentals of engineering in managing limited resources and the design of habitable environments in Interior Design Engineering. | S1                                    | <ul style="list-style-type: none"> <li>• Interactive lecture</li> <li>• Brain storming</li> <li>•Cooperative learning</li> </ul> | Direct Research (report)<br>Final Exams<br>Indirect Survey |
| 2.2  | Develop the ability to work effectively as a member of teams in providing efficient personal space.                                          | S1                                    | <ul style="list-style-type: none"> <li>• Brain storming</li> <li>• Research</li> <li>•Cooperative learning</li> </ul>            | Direct Research (report)<br>Indirect Survey                |
| 3.0  | Values, autonomy, and responsibility                                                                                                         |                                       |                                                                                                                                  |                                                            |
| 3.1  | Improve on personal and professional level by learning and developing independently                                                          | V2                                    | <ul style="list-style-type: none"> <li>• Research</li> <li>• Cooperative learning</li> <li>•Illustrative examples</li> </ul>     | Direct Research (report)<br>Indirect Survey                |

### C. Course Content:

| No    | List of Topics                                                                                                                           | Contact Hours |
|-------|------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1.    | Introduction, the basic psychology of designing spaces and places for human occupancy                                                    | 9             |
| 2.    | Definition of space and privacy as they relate to both residential and non-residential environments                                      | 9             |
| 3.    | The concepts of human behavior, personality and space basic knowledge of crowding, territoriality, attitudes relative to personal space, | 18            |
| 4.    | Managing limited resources and the design of habitable environments.                                                                     | 9             |
| Total |                                                                                                                                          | 45            |



## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Quiz                    | 3 <sup>rd</sup> week           | 15%                                  |
| 2. | Research Report         | 5 <sup>th</sup> week           | 15%                                  |
| 3. | Homework                | 9 <sup>th</sup> week           | 10%                                  |
| 4. | Midterm Exam            | 7 <sup>th</sup> week           | 30%                                  |
| 5. | Final Exam              | 15 <sup>th</sup> week          | 30%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <p><b>Book 1</b><br/>A., E. (2020). <i>The Great Indoors: The Surprising Science of How Buildings Shape Our Behavior, Health, and Happiness</i>. Farrar, Straus and Giroux. ISBN 9780374166632</p> <p><b>Book2</b><br/>Elina, G. (2019). <i>Wellbeing in Interiors, Philosophy, Design and Value in Practice</i>. RIBA Publishing. ISBN 978 1 85 9465790.</p> <p><b>Book 3</b><br/>Kopec, D. (2017). <i>Health and Well-being for Interior Architecture</i>. Routledge, Taylor and Francis Group, New York and London. ISBN 978-1-315-4644-1.</p> <p><b>Book4</b><br/>Henry P. (2016). <i>The Experience of Architecture</i>. ISBN 9780500343210</p> |
| Supportive References    | <p>-Abelson, R.P. (1976) Script processing in attitude formation and decision-making. In <i>Cognition and Social Behavior</i>, J.S. Carroll and J.W. Payne, eds. Hillsdale, NJ: Lawrence Erlbaum Associates.</p> <p>-1983 <i>The Architecture of Cognition</i>. Cambridge, MA: Harvard University Press.</p>                                                                                                                                                                                                                                                                                                                                         |
| Electronic Materials     | <p><a href="https://www.britannica.com/topic/human-behavior/Self-concept-or-identity">https://www.britannica.com/topic/human-behavior/Self-concept-or-identity</a></p> <p><a href="https://imotions.com/blog/human-behavior/">https://imotions.com/blog/human-behavior/</a></p> <p>-UOH Electronic library</p> <p>-UOH Blackboard Learning Management System</p>                                                                                                                                                                                                                                                                                     |
| Other Learning Materials | <p>-Fatemeh Mortezaie Manesh and Sima Latifian (2015). <i>Analysis of the Concept of Privacy and Its Features in House Designing</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



(Examining the Criteria Related to Privacy and Neighborhoods in Different Cultures). Journal of Applied Environmental and Biological Sciences. ISSN: 2090-4274 J. Appl. Environ. Biol. Sci., 5(12S)122-133, 2015  
-UNIT 4 PERSONAL SPACE  
<https://egyankosh.ac.in/bitstream/123456789/24098/1/Unit-4.pdf>

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                        |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>Class space furnished for more than 30 students</b>                           |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>Instructor computer linked to a projector, screen and Internet connection</b> |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>None</b>                                                                      |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                            | Assessor              | Assessment Methods |
|----------------------------------------------------|-----------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Faculty / students    | Direct             |
| <b>Effectiveness of students' assessment</b>       | Faculty / Quality DQD | Indirect/ direct   |
| <b>Quality of learning resources</b>               | Instructor            | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality committee     | Direct             |
| <b>Other</b>                                       | -                     | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Interior design studio IV

Course Code: IDE: 302

Program: Interior design engineering

Department: Decoration and Interior design engineering

College: College of engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 december 2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 4 ( 4/0/0 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: Level 6, year 3

#### 4. Course General Description:

This studio is part of the continuity of concept development projects, Interior Design V. At this level, we move on to innovation with a real project that focuses studies on universal design principles. The course will revolve around the design of a cultural space.

Students can choose from different types of activities and different needs of potential users in addition to the basic psychology of designing spaces and places of human occupation in a cultural context.

The course provides students with data assimilation, organization of information and data, as well as the experience of interpreting data in a graphical format. Course content is important for the development of critical thinking and problem solving.

#### 5. Pre-requirements for this course (if any):

IDE 301

#### 6. Co-requisites for this course (if any):

No co-requisites courses

#### 7. Course Main Objective(s):

This course aims to achieve creative, aesthetic and technical standards in the process of developing a design concept that must respond to universal design. The main objective of this course is to create an indoor environment that satisfies a larger population of users.

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 120           | 100%       |
| 2  | E-learning            | -             | -          |



| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | -             |
| 2.    | Laboratory/Studio | 120           |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 120           |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                              | Code of PLOs aligned with the program | Teaching Strategies                                          | Assessment Methods                                                                        |
|------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                           |                                       |                                                              |                                                                                           |
| 1.1  | Recognize the theories and methods of designing a cultural center in Saudi Arabia that adapts to the needs of the chosen environment. | K4                                    | Interactive Lecture, Presentations, Practical implementation | <b>Direct:</b> Weekly progress meeting of project, and juries.<br><b>Indirect:</b> survey |
| 1.2  | List the baseboards, technical plans, and equipment plans for specific practice needs with special requirements.                      | K2                                    | Illustrative Examples, Practical implementation              | <b>Direct:</b> Presentation, and juries.<br><b>Indirect:</b> survey                       |



| Code       | Course Learning Outcomes                                                                                                                           | Code of PLOs aligned with the program | Teaching Strategies                             | Assessment Methods                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------|
| 1.3        | Understand anthropometrics and their role in determining the internal planning of a cultural center design project                                 | K4                                    | Lectures, Illustrative Examples, Presentations  | <b>Direct:</b> Presentation.<br><b>Indirect:</b> survey                             |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                      |                                       |                                                 |                                                                                     |
| 2.1        | Draw all technical plans, elevations and sections accurately and neatly.                                                                           | S3                                    | Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project and juries<br><b>Indirect:</b> survey     |
| 2.2        | Demonstrate creative thinking through presentation of a variety of ideas, approaches, and concepts to design requirements.                         | S1                                    | Illustrative Examples, Presentations.           | <b>Direct:</b> Weekly progress presentation, and juries<br><b>Indirect:</b> survey  |
| 2.3        | Conceive a functional cultural center project in an existing building according to specific specifications and requirements for the design process | S1                                    | Presentations, Practical implementation         | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> survey    |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                        |                                       |                                                 |                                                                                     |
| 3.1        | Engage effectively with teams to achieve goals by being aware teamwork structures and dynamics, team ethics                                        | V1                                    | Feedback in critiques and tutorial              | <b>Direct:</b> Weekly progress of project, presentation.<br><b>Indirect:</b> survey |
| 3.2        | Use time and project management skills to minimize stress and                                                                                      | V1                                    | Feedback in critiques, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries                               |





| Code | Course Learning Outcomes | Code of PLOs aligned with the program | Teaching Strategies | Assessment Methods      |
|------|--------------------------|---------------------------------------|---------------------|-------------------------|
|      | achieve better product   |                                       |                     | <b>Indirect:</b> survey |

### C. Course Content

| No           | List of Topics                                                                                             | Contact Hours |
|--------------|------------------------------------------------------------------------------------------------------------|---------------|
| 1.           | Course description, schedule and introduction to the project (cultural center)                             | 8             |
| 2.           | Research of design standards, site visit and case studies analytical for similar cultural center projects. | 8             |
| 3.           | Mood board: Practical applications during the studio works                                                 | 8             |
| 4.           | Zoning and bubble diagram: practical applications during the studio works                                  | 8             |
| 5.           | Architectural plan (Functions and Circulation): practical applications during the studio work.             | 12            |
| 6.           | Furniture Design and Usages: Practical Applications During the Studio Works.                               | 12            |
| 7.           | Floor plan: practical applications during the studio work.                                                 | 8             |
| 8.           | Lighting and ceiling Design: Practical Applications During the Studio Works.                               | 8             |
| 9.           | Elevation: Practical Applications During the Studio Works.                                                 | 8             |
| 10.          | Cross section: Practical Applications During the Studio Works.                                             | 8             |
| 11.          | Detailing Drawings Practical Applications During the Studio Works.                                         | 8             |
| 12.          | Perspectives: Practical Applications During the Studio Works.                                              | 8             |
| 13.          | Material and furniture mood board: Practical Applications During the Studio Works.                         | 8             |
| 14.          | Final Project Submission and Presentation.                                                                 | 8             |
| <b>Total</b> |                                                                                                            | <b>120</b>    |

### D. Students Assessment Activities

| No | Assessment Activities *                       | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-----------------------------------------------|--------------------------------|--------------------------------------|
| 1. | Participation                                 | Weekly                         | 5%                                   |
| 2. | Research presentation                         | 3,4                            | 5%                                   |
| 3. | Studio exercises (Weekly progress of project) | Weekly                         | 50%                                  |
| 4. | Midterm Exam (jury)                           | Week 9                         | 20%                                  |
| 5. | Final Exam (jury)                             | Week 16                        | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).





## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <p><b>Book1:</b><br/>Rengel, Roberto J. Shaping Interior Space. New York: Fairchild Books, 2002.<br/>ISBN: 1-563-67221-9.</p> <p><b>Book2:</b><br/>Title : Indigenous Cultural Centers and Museums: An Illustrated International Survey<br/>Author : Anoma Pieris<br/>Publisher: Rowman &amp; Littlefield (14 juil. 2016)<br/>ISBN 9781442264076</p> <p><b>Book3:</b><br/>Title : Universal Principles of Design<br/>Author : William Lidwell, Kritina Holden, Jill Butler<br/>Publisher: Rockport Publishers; Second Edition, Revised and Updated edition (January 1, 2010)<br/>ISBN-13: 978-1592535873</p> <p><b>Book4:</b><br/>Title: Building for the Arts: The Strategic Design of Cultural Facilities<br/>Peter Frumkin (Author), Ana Kolendo (Author)<br/>Publisher : University of Chicago Press; Illustrated edition (March 6, 2014)<br/>ISBN-10 : 022609961X<br/>ISBN-13 : 978-0226099613</p> |
| Supportive References    | <p><a href="https://michellepaez.files.wordpress.com/2018/04/final-special-topics-literature-review.pdf">https://michellepaez.files.wordpress.com/2018/04/final-special-topics-literature-review.pdf</a><br/><a href="https://mjaf.journals.ekb.eg/article_129200_cef29f3b53870bac8b1dc92c0545dbd5.pdf">https://mjaf.journals.ekb.eg/article_129200_cef29f3b53870bac8b1dc92c0545dbd5.pdf</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Electronic Materials     | <p>-UOH Electronic library<br/>-UOH Blackboard Learning Management System</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Other Learning Materials | <p>- <a href="https://www.archdaily.com/">https://www.archdaily.com/</a><br/>- <a href="https://www.pinterest.com/CPC3/interior-design/">https://www.pinterest.com/CPC3/interior-design/</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### 2. Required Facilities and equipment





| Items                                                                                     | Resources                                                                                                                |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample natural and artificial light. |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | -Instructor computer linked to a projector and screen<br>Internet connection                                             |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Space to present projects on walls or partitions                                                                         |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Student / faculty | Indirect           |
| Effectiveness of Students assessment        | Faculty/ DQD      | Direct/ indirect   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       |                   |                    |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING<br>DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                      |
| <b>DATE</b>               | 05/02/2025                                                       |





# Course Specification

## — (Bachelor)

|                     |                                            |
|---------------------|--------------------------------------------|
| Course Title:       | Environment IV: Acoustics                  |
| Course Code:        | IDE 324                                    |
| Program:            | Interior Design Engineering                |
| Department:         | Decoration and Interior Design Engineering |
| College:            | Engineering                                |
| Institution:        | University Of Hail                         |
| Version:            | 2 <sup>nd</sup> version                    |
| Last Revision Date: | 1december2024                              |

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| D. Students Assessment Activities .....                                              | Error! Bookmark not defined. |
| E. Learning Resources and Facilities .....                                           | Error! Bookmark not defined. |
| F. Assessment of Course Quality .....                                                | Error! Bookmark not defined. |
| G. Specification Approval .....                                                      | Error! Bookmark not defined. |





## A. General information about the course: dsds

### 1. Course Identificationn:

1. Credit hours: (3)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: ( Third year )

### 4. Course General Description:

Introduction to architectural acoustics.

Ability to understand Room acoustics and noise sources, measurements, and control.

Ability to understand the behavior of properties acoustic of materials and room shapes, sound absorption and transmission.

Ability to run Computer applications in room acoustics.

5. Pre-requirements for this course (if any):

6. Co-requirements for this course (if any):

### 7. Course Main Objective(s):

To introduce the students to the basics of sound behavior and quantification.

To present the principles of design for good hearing and freedom from noise in and around buildings.

To introduce the basics of Architectural Acoustics and its creative application in design.

To illustrate the use of both conventional equipment and latest technology of computer-based systems in acoustical measurements, analysis and evaluation.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 4X15          | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |





CXC

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 2X15          |
| 2. | Laboratory/Studio     | 2X15          |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | Total                 |               |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                            | Code of PLOs aligned with the program | Teaching Strategies                           | Assessment Methods                                                       |
|------|---------------------------------------------------------------------|---------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                         |                                       |                                               |                                                                          |
| 1.1  | Describe the fundamentals and basics of IDE324                      | K2                                    | Illustrative Examples, Brain storming         | Direct:<br>.Theoretical Exams<br>Practical exercises<br>Indirect: survey |
| 1.2  | Recognize the Engineering calculations of sound Behavior            | K2                                    | Problem solving discussion                    | Direct:<br>Theoretical Exams<br>Practical exercises<br>Indirect: survey  |
| 2.0  | Skills                                                              |                                       |                                               |                                                                          |
| 2.1  | Recognize the ideal Sound behavior and Fundamentals of sound design | S1                                    | Interactive Lecture<br>Group research project | Direct:<br>Theoretical Exams<br>Research (report)<br>Indirect: survey    |





|     |                                                                            |    |                                                          |                                                                       |
|-----|----------------------------------------------------------------------------|----|----------------------------------------------------------|-----------------------------------------------------------------------|
| 2.2 | Write a report regarding acoustics building types                          | S1 | Interactive Lecture<br>Group project                     | Direct:<br>Theoretical Exams<br>Research (report)<br>Indirect: survey |
| 3.0 | Values, autonomy, and responsibility                                       |    |                                                          |                                                                       |
| 3.1 | Design solution for sound problems required by the engineering discipline. | V1 | Interactive Lecture<br>Illustrative Examples<br>Research | Direct:<br>Practical exercises<br>Indirect: survey                    |
| 3.2 | Demonstrate teamwork skills                                                | V2 | Research                                                 | Direct:<br>Research (report)<br>Indirect: survey                      |

### C. Course Content:

| No | List of Topics                                                                      | Contact Hours |
|----|-------------------------------------------------------------------------------------|---------------|
| 1  | Basic theory of sound, nature, and quantification (3 weeks)                         | 6             |
| 2  | Sound absorption, theory and materials (3 weeks)                                    | 9             |
| 3  | Room acoustics (sound behavior in rooms) (2 weeks)                                  | 9             |
| 4  | Sound isolation, methods of quantification, design and control techniques (2 weeks) | 9             |
| 5  | Computer Applications in Acoustical Measurements and Evaluation (2 weeks)           | 9             |



|              |                                                                     |           |
|--------------|---------------------------------------------------------------------|-----------|
| 6            | Computer-based Acoustical Measurements and Analysis System, (MLSSA) | 9         |
| 7            | Room Acoustics Modeling and Simulation Software, (ODEON)            | 9         |
| <b>Total</b> |                                                                     | <b>60</b> |

## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1  | Mid term                | 8th week                       | 30%                                  |
| 2  | Presentation            | During the semester            | 20%                                  |
| 3  | Quizes                  | During the semester            | 10%                                  |
| 4  | Final Exam              | End of Semester                | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                                 |                                                                                                                                                                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Essential References</b>     | M. David Egan, Architectural Acoustics, McGraw-Hill, 2023                                                                                                                                                                                                          |
| <b>Supportive References</b>    | B.J. Smith, R. J. Peters, and S. Owen, Acoustics and Noise Control, Longman, 1988. • Peter Lord and Duncan Templeton, Detailing For Acoustics, The Architectural Press, London, 2021                                                                               |
| <b>Electronic Materials</b>     | Demonstrations and Video lectures are available                                                                                                                                                                                                                    |
| <b>Other Learning Materials</b> | Other learning material such as computer-based programs/CD, professional standards or regulations and software.<br>- Lecture notes and other support materials are available on the Web sites: <a href="http://faculty.uoh.edu.sa/">http://faculty.uoh.edu.sa/</a> |

### 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                     |
|-------------------------------------------------------------------------------------------|-------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | <b>CLASSROOMS, LABORATORY</b> |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | <b>PROJECTOR, SOFTWARE.</b>   |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | <b>NOT APPLICABLE</b>         |

## F. Assessment of Course Quality:



| Assessment Areas/Issues                     | Assessor                                             | Assessment Methods |
|---------------------------------------------|------------------------------------------------------|--------------------|
| Effectiveness of teaching                   | Students / courses evaluation Survey (ces) by NCAAA  | Indirect           |
| Effectiveness of students' assessment       | Students / courses evaluation Survey (ces) by NCAAA. | Indirect           |
| Quality of learning resources               | Students / courses evaluation Survey (ces) by NCAAA. | Indirect           |
| The extent to which CLOs have been achieved | Faculty / post-teaching CLOs assessment.             | Direct             |
| Other                                       |                                                      |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: : Furniture Design

Course Code: IDE 326

Program: Interior design Engineering

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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| G. Specification Approval .....                                                      | 7 |





## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3 (3,0,6 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (Level 6, 3<sup>rd</sup> year)

#### 4. Course General Description:

The 1<sup>st</sup> part of the course will develop an understanding of the basic criteria necessary for design including usability, function, anthropometric measures, and ergonomic studies satisfying safety measures, durability, material selecting, as well as sustainability and aesthetic values as basic influence on furniture design. The course will also create an awareness of manufacturing technology and the ability to produce full working details in accordance to different selected materials and new concepts such as smart furniture. The 2<sup>nd</sup> part will teach the students how to practicing analysis as well as criticism of the conceptual motivation adopted by previous designers and that will assist the development of student's design concept and motivation during designing their own furniture unite throughout a number of projects.

5. Pre-requirements for this course (if any): None

6. Co-requisites for this course (if any): None

#### 7. Course Main Objective(s):

The course offers an extensive breadth and depth of knowledge that is necessary to design, select, fabricate, and arrange furniture in space. It also emphasizes that designing furniture relies upon judgment and technical information linked to several professional and academic disciplines.

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 6             | 100%       |
| 2  | E-learning            | -             | -          |





| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | -             |
| 2.    | Laboratory/Studio | 6             |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 90            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                                 | Code of PLOs aligned with the program | Teaching Strategies            | Assessment Methods                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------|------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                              |                                       |                                |                                                |
| 1.1  | Recognize the functional and social use of furniture, the form, spatial organization, and typological orders of furniture, design Ethos. | K5                                    | Lecture, discussion, tutorials | Quizzes, project Assignments presentations     |
| 1.2  | Demonstrate knowledge of the Furniture Design Theories, methods of furniture fabrication, and technical skills.                          | K4                                    | Lecture, discussion, tutorials | Quizzes, project Assignments/pre presentations |
| 1.3  | Communicate design concepts and outcomes to specialist and non-specialist audiences.                                                     | K5                                    | Lecture, discussion, tutorials | Quizzes, project Assignments presentations     |



| Code       | Course Learning Outcomes                                                                                                                               | Code of PLOs aligned with the program | Teaching Strategies                                                        | Assessment Methods                                           |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>2.0</b> | <b>Skills</b>                                                                                                                                          |                                       |                                                                            |                                                              |
| 2.1        | Apply furniture design phases in their design project and material used in furniture design (considering its properties and form).                     | S2                                    | Lectures, tutorials, critique, assignments discussions, feedback, research | Project<br>Project Assignments<br>Presentations              |
| 2.2        | Practice furniture design thinking and concept development in their project design of a piece of furniture based on given specifications and criteria. | S5                                    | Lectures, tutorials, critique, assignments discussions, feedback, research | Project Assignments<br>Presentations                         |
| 2.3        | Demonstrate creative thinking through presentation of a variety of ideas, approaches, and concepts.                                                    | S4                                    | Discussions, feedback, critique, research assignments                      | Project Assignments<br>presentations                         |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                            |                                       |                                                                            |                                                              |
| 3.1        | Use proper terminology of furniture design in class discussions and project descriptions.                                                              | V2                                    | Lectures, tutorials, critique, assignments discussions, feedback, research | Project Assignments<br>presentations                         |
| 3.2        | Present their perception and judgments on furniture design orally and inwritten format as well as sketches and drawings.                               | V1                                    | Lectures, tutorials, critique, assignments discussions, feedback, research | Quizzes,<br>project juries,<br>Assignments/<br>presentations |

### C. Course Content

| No | List of Topics                                     | Contact Hours |
|----|----------------------------------------------------|---------------|
| 1. | Introduction to furniture design                   | 3             |
| 2. | Functional and social use                          | 6             |
| 3. | Form, Spatial organization, and typological orders | 6             |
| 4. | Furniture case studies through history             | 6             |
| 5. | Furniture design theory                            | 6             |
| 6. | Furniture design principles, thinking and ethos    | 6             |
| 7. | Materials                                          | 6             |

|       |                                                      |    |
|-------|------------------------------------------------------|----|
| 8.    | Fabrication and technology                           | 6  |
| 9.    | Furniture design professional practice and marketing | 6  |
| 10.   | Furniture design project 1                           | 18 |
| 11.   | Furniture design project 2                           | 21 |
| Total |                                                      |    |

#### D. Students Assessment Activities

| No | Assessment Activities *   | Assessment timing (in week no)       | Percentage of Total Assessment Score |
|----|---------------------------|--------------------------------------|--------------------------------------|
| 1. | Participation             | Weekly                               | 5%                                   |
| 2. | Quiz 1                    | 4 <sup>th</sup> Week                 | 10%                                  |
| 3. | Quiz 2                    | 6 <sup>th</sup> week                 | 10%                                  |
| 4. | Mid-term                  | 7 <sup>th</sup> week                 | 20%                                  |
| 5. | Assignments/presentations | 9 <sup>th</sup> and 10 <sup>th</sup> | 35%                                  |
| 6. | Final project             | 11 <sup>th</sup> , 14 <sup>th</sup>  | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

#### E. Learning Resources and Facilities

##### 1. References and Learning Resources

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References  | <b>Book Title: Furniture Design</b> , Author: Jim Postell/ Publisher: John Wiley & Sons, Inc, 2007/ ISBN-13: 978-0471727965                                                                                                                                                                                                                                                                                                                                                                             |
| Supportive References | <p><b>Book 1.</b><br/><b>Table Design:</b> A well-proportioned table balances ergonomics with style; By <b>Graham Blackburn #177–May/June 2005 Issue</b></p> <p><b>Book 2.</b><br/><b>Composing: A Flexible Design Process:</b> Keep options open from the initial idea to the finished piece; By <b>Tim Coleman #270–Sep/Oct 2018 Issue</b></p> <p><b>Book 3.</b><br/><b>A Guide to Good Design:</b> Pleasing proportions borrowed from nature; By <b>Graham Blackburn #168–Jan/Feb 2004 Issue</b></p> |
| Electronic Materials  | <a href="https://www.youtube.com/">https://www.youtube.com/</a><br><a href="https://www.pinterest.com/">https://www.pinterest.com/</a>                                                                                                                                                                                                                                                                                                                                                                  |



|                          |                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <a href="https://contextgallery.com/">com/</a><br><a href="https://contextgallery.com/">https://contextgallery.c</a><br><a href="https://www.design-museum.de/en/information.html">om/</a><br><a href="https://www.design-museum.de/en/information.html">https://www.design-museum.de/en/information.html</a><br>UOH Electronic library and the Blackboard Learning Management System |
| Other Learning Materials | None                                                                                                                                                                                                                                                                                                                                                                                  |

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                      |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space for 30 students or more                           |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | Instructor computer with projector and screen internet access. |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | None                                                           |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of Students assessment        | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Working drawing I

Course Code: IDE 328

Program: Interior Design Engineering Program

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3, 0, 6)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 6<sup>th</sup> level, 3<sup>rd</sup> year

### 4. Course General Description:

**Working Drawing I** introduces students to the creation of comprehensive construction documents used in the building industry. This course focuses on developing detailed building designs, including material specifications and construction information. Students will produce a complete set of drawings, such as floor plans, elevations, ceiling and lighting plans, wall and roof sections, interior finish details, and door/window schedules. Emphasis is placed on refining technical drawing skills and understanding office management practices, equipping students with the knowledge to effectively communicate design intent and oversee project execution in professional settings.

### 5. Pre-requirements for this course (if any):

IDE 313

### 6. Co-requirements for this course (if any):

None

### 7. Course Main Objective(s):

- 1. Develop Construction Documents:** Learn to produce detailed and accurate construction drawings, including floor plans, elevations, sections, and schedules.
- 2. Material and Technical Specifications:** Gain the ability to specify materials, finishes, and construction methods in design documentation.
- 3. Refine Drawing Skills:** Enhance technical drawing proficiency to clearly communicate design intent and construction details.
- 4. Understand Building Systems:** Develop knowledge of structural, mechanical, and electrical systems as they relate to interior design.
- 5. Office Management Practices:** Introduce principles of project management, documentation organization, and professional office standards.
- 6. Prepare for Professional Practice:** Equip students with the skills to create comprehensive construction documents essential for real-world design projects.



## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 90            | 100%       |
| 2  | E-learning                                                                                         |               | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               | -          |
| 4  | Distance learning                                                                                  |               | -          |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 90            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 90            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                   | Code of PLOs aligned with the program | Teaching Strategies                          | Assessment Methods                                                                                |
|------|--------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                |                                       |                                              |                                                                                                   |
| 1.1  | Understand how to present architectural concept in working drawings format.                | K2                                    | -Lectures and Presentations<br>-Case Studies | <b>Direct:</b> Weekly progress of project, Practical exercises, Juries<br><b>Indirect:</b> Survey |
| 1.2  | Understand how to put the structural system as one of the principles to design a building. | K2                                    | - Lecture<br>- Discussion                    | <b>Direct:</b> Weekly progress of project, Practical exercises, Juries<br><b>Indirect:</b> Survey |



| Code       | Course Learning Outcomes                                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                             | Assessment Methods                                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1.3        | Understand how to make a suitable combination between finishing materials in one building.                                                                   | K2                                    | - Lecture<br>- Brainstorming<br>- Problem solving                               | <b>Direct:</b> Weekly progress of project, Practical exercises, Juries<br><b>Indirect:</b> Survey |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                                |                                       |                                                                                 |                                                                                                   |
| 2.1        | Perfectly perform the graphic works.                                                                                                                         | S2                                    | -Hands-On Drawing Exercises<br>-Studio Workshops                                | <b>Direct:</b> Weekly progress of project, Practical exercises, Juries<br><b>Indirect:</b> Survey |
| 2.2        | Draw clearly and correctly the printouts and the complete file of interior design projects.                                                                  | S2                                    | -Mock Projects<br>-Feedback in critiques and tutorials.                         | <b>Direct:</b> Weekly progress of project, Practical exercises, Juries<br><b>Indirect:</b> Survey |
| 2.3        | Demonstrate full workshop drawing and building services.                                                                                                     | S2                                    | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Weekly progress of project, Practical exercises, Juries<br><b>Indirect:</b> Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                                  |                                       |                                                                                 |                                                                                                   |
| 3.1        | Demonstrate responsibility for their self-learning by using of the tools of search for new information.                                                      | V1                                    | -Collaborative Learning<br>-Ethics Discussions                                  | <b>Direct:</b> Weekly progress of project, Juries<br><b>Indirect:</b> Survey                      |
| 3.2        | Appraise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. | V1                                    | -Office Management Simulations                                                  | <b>Direct:</b> Weekly progress of project, Juries<br><b>Indirect:</b> Survey                      |

### C. Course Content:

| No | List of Topics           | Contact Hours |
|----|--------------------------|---------------|
| 1. | Drawing as communication | 9             |



|       |                                                       |    |
|-------|-------------------------------------------------------|----|
| 2.    | Stairs, ramps & elevators                             | 9  |
| 3.    | Door and Window Schedules and Details                 | 9  |
| 4.    | Ceiling plan                                          | 9  |
| 5.    | Lighting Plan                                         | 9  |
| 6.    | Electricity Plan                                      | 9  |
| 7.    | Plumbing Plan                                         | 9  |
| 8.    | Ventilating ,HVAC (Heating and Air Conditioning) plan | 9  |
| 9.    | Project studio corrections (part 1)                   | 9  |
| 10.   | Project studio corrections (part 2)                   | 9  |
| Total |                                                       | 90 |

## D. Students Assessment Activities:

| No  | Assessment Activities *                           | Assessment timing (in week no)        | Percentage of Total Assessment Score |
|-----|---------------------------------------------------|---------------------------------------|--------------------------------------|
| 1.  | Drawing as communication application              | 2 <sup>nd</sup> : 4 <sup>th</sup>     | 5%                                   |
| 2.  | Stairs ,ramps ,and elevators application          | 5 <sup>th</sup>                       | 5%                                   |
| 3.  | Door and Window Schedules and Details application | 6 <sup>th</sup> and 7 <sup>th</sup>   | 5%                                   |
| 4.  | Midterm Evaluation (Project Studio jury)          | 9 <sup>th</sup>                       | 20%                                  |
| 5.  | Ceiling plan application                          | 8 <sup>th</sup>                       | 10%                                  |
| 6.  | Lighting Plan application                         | 9 <sup>th</sup>                       |                                      |
| 7.  | Electricity Plan application                      | 10 <sup>th</sup> and 11 <sup>th</sup> | 10%                                  |
| 8.  | Plumbing Plan application                         | 12 <sup>th</sup>                      | 20%                                  |
| 9.  | HVAC plan application                             | 13 <sup>th</sup>                      |                                      |
| 10. | Final Evaluation (Project Studio)                 | 16 <sup>th</sup>                      | 20%                                  |
| 11. | Participation                                     | All                                   | 5%                                   |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

#### Essential References

- 1- Benjamin Stein and John Reynolds, Mechanical and Equipment for Buildings, John Wiley and Sons, Inc. **Publisher:** Wiley; 9th edition (December 28, 1999)
- 2- Francis D. K. Ching, and Cassandra Adams, Building Construction Illustrated, 3rd edition 2001, John Willey & Sons, Inc.

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | <p>3- Osamu A.Wakita &amp; Richard M. Linde, The professional Practice of Architectural Working Drawings; <b>Publisher:</b> Wiley; 5th edition (September 25, 2017)</p> <p>4- Liebeng, Architectural Working Drawings, New York: John Wiley &amp; Sons, 1999</p> <p>5- Chappel &amp; Willis, The Architect in Practice, London: Blackwell Science AIA; <b>Publisher:</b> Wiley-Blackwell; 10th edition (July 6, 2010)</p> <p>6- Handbook of Professional Practice, by American Institute of Architects (Author), Linda C. Reeder; <b>Publisher:</b> Wiley; 15th edition (November 25, 2013)</p> |
| <b>Supportive References</b>    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Electronic Materials</b>     | <ul style="list-style-type: none"> <li>- Arch Review</li> <li>- Arc record</li> <li>- Arc world</li> <li>- Albina Magazine</li> <li>- UoH Electronic library and the Blackboard Learning Management System</li> </ul>                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Other Learning Materials</b> | - Lecture notes and other support materials are available on the Web sites: <a href="http://faculty.uoh.edu.sa/">http://faculty.uoh.edu.sa/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                                                      | Resources                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Accommodation</b><br>(Classrooms, laboratories, demonstration rooms/labs, etc.)                                         | Class space furnished for more than 30 students                                                                       |
| <b>Technology Resources</b><br>(AV, data show, Smart Board, software, etc.)                                                | - Computer laboratories available in the Engineering College, and any student can have access to them when necessary. |
| <b>Other Resources</b><br>(Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | - Space to present projects on walls or partitions                                                                    |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                      | Assessor          | Assessment Methods |
|----------------------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b>             | Students/ Faculty | Indirect           |
| <b>Effectiveness of students' assessment</b> | DQD/ Faculty      | Indirect/ Direct   |
| <b>Quality of learning resources</b>         | Instructor        | Direct             |



| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Day Lighting Analysis and Design

Course Code: IDE 352

Program: Interior Design Engineering Program

Department: Decoration and Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1st December 2024

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3,3,0)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☐ Required ☒ Elective

3. Level/year at which this course is offered: (3rd Year / Level 6)

#### 4. Course General Description:

This course introduces day lighting, sources of daylighting. Solar spectrum and its relationship to daylight availability. Weather phenomenon and day lighting. Concept of cloudiness and design sky: Performance of building materials with respect to day lighting such as reflectivity and absorption. Decomposition and discoloring of materials under daylight. Detailed study of daylight transmission through openings with shading devices. Solar geometry and design of sun shading devices. Computer and lab methods for the study of daylight in buildings.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

In completing the course students should: Recall the fundamental knowledge of physics to lighting system. Outline the ethical and professional concept of cloudiness and design sky with respect to daylighting. Identify the fundamentals of engineering in solving and analyzing daylighting problems in Interior Design Engineering. Analyzing Interior Design Engineering and construction problems in-depth and find innovative solutions for efficient daylighting in a space. Discharge the sense of leadership and responsibility while working with others in group and considering the time management. Demonstrate responsibility for their self-learning to develop on their personal and professional level





## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     |               |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | Total                 | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                               | Code of PLOs aligned with the program | Teaching Strategies                                                 | Assessment Methods                                                      |
|------|--------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                            |                                       |                                                                     |                                                                         |
| 1.1  | Recall the fundamental knowledge of physics to lighting system.                                        | K1                                    | 1. Interactive Lecture<br>2. Brain storming<br>3. Discussion.       | <b>Direct</b><br>- Mid Exams<br><b>Indirect</b> - Survey                |
| 1.2  | Outline the ethical and professional concept of cloudiness and design sky with respect to daylighting. | K1                                    | 1. Illustrative Example<br>2. Interactive Lecture<br>3. Discussion. | <b>Direct</b><br>- Quizzes,<br>- Mid Exams,<br><b>Indirect</b> - Survey |
| ...  |                                                                                                        |                                       |                                                                     |                                                                         |
| 2.0  | Skills                                                                                                 |                                       |                                                                     |                                                                         |



| Code       | Course Learning Outcomes                                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                                      | Assessment Methods                                                       |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 2.1        | Classify the fundamentals of engineering in solving and analyzing daylighting problems in Interior Design Engineering.                       | S1                                    | 1. Interactive Lecture<br>2. Brain storming<br>3. Discussion.<br>4. Cooperative learning | <b>Direct</b><br>- Final Exams<br>- Homework<br><b>Indirect</b> - Survey |
| 2.2        | Analyzing Interior Design Engineering and construction problems in-depth and find innovative solutions for efficient daylighting in a space. | S1                                    | 1. Illustrative Example<br>2. Brain storming<br>3. Cooperative learning                  | <b>Direct</b><br>- Final Exams<br>- Homework<br><b>Indirect</b> - Survey |
| ...        |                                                                                                                                              |                                       |                                                                                          |                                                                          |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                  |                                       |                                                                                          |                                                                          |
| 3.1        | Discharge the sense of leadership and responsibility while working with others in group and considering the time management.                 | V1                                    | 1. Cooperative learning<br>2. Research<br>3. Illustrative Examples.                      | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey         |
| 3.2        | Demonstrate responsibility for their self-learning to develop on their personal and professional level                                       | V2                                    | 1. Cooperative learning<br>2. Research<br>3. Illustrative Examples.                      | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey         |
| ...        |                                                                                                                                              |                                       |                                                                                          |                                                                          |

### C. Course Content:

| No | List of Topics                                                | Contact Hours |
|----|---------------------------------------------------------------|---------------|
| 1. | Introduction to day lighting. Sources of daylighting.         | 6             |
| 2. | Solar spectrum and its relationship to daylight availability. | 6             |
| 3. | Weather phenomenon and day lighting                           | 6             |



|       |                                                                                                                                          |   |
|-------|------------------------------------------------------------------------------------------------------------------------------------------|---|
| 4.    | Concept of cloudiness and design sky: Performance of building materials with respect to day lighting such as reflectivity and absorption | 6 |
| 5.    | Decomposition and discoloring of materials under daylight                                                                                | 3 |
| 6.    | Detailed study of daylight transmission through openings with shading devices.                                                           | 6 |
| 7.    | Solar geometry and design of sun shading devices                                                                                         | 9 |
| 8.    | Computer and lab methods for the study of daylight in buildings                                                                          | 3 |
| Total |                                                                                                                                          |   |

#### D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All weeks                      | 5%                                   |
| 2. | Quiz                    | 3                              | 10%                                  |
| 3. | Homework                | 5                              | 5%                                   |
| 4. | Midterm Exam            | 7                              | 25%                                  |
| 5. | Research (Report)       | 9                              | 15%                                  |
| 6. | Final Exam              | 15                             | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

#### E. Learning Resources and Facilities:

##### 1. References and Learning Resources:

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References  | <ul style="list-style-type: none"> <li>- Heschong L. (2021). Visual Delight in Architecture: Daylight, Vision, and View, New York. ISSN 978-1-003-09759-4 (ebk).</li> <li>- J. Paul Guyer (2021). An Introduction to Daylighting Design for Buildings; The clubhouse press, El Macero, California.</li> <li>- Marie-Claude Dubois, Niko Gentile, Iason Bournas, Malin Alenius (2019). Daylighting and Lighting under a Nordic Sky. Studentlitteratur, ISBN 9144125771, 9789144125770.</li> <li>- Mary Guzowski (2018). The Art of Architectural Daylighting, Laurence King Publishing, ISBN 1786271648, 9781786271648.</li> </ul> |
| Supportive References | <ul style="list-style-type: none"> <li>- Stanislav Richard and Richard Kittler (2015). Classification of daylight conditions in cloud cover situations. Light and Engineering 23(1):4-14</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electronic Materials  | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



#### Other Learning Materials

- Daylighting Systems 4. Introduction 4.1. – Facades  
<https://facades.lbl.gov/sites/default/files/Downloads/daylighting-c4.pdf>
- [https://www.architectmagazine.com/technology/lighting/controlling-glare\\_o](https://www.architectmagazine.com/technology/lighting/controlling-glare_o)
- [https://research.arch.tamu.edu/media/cms\\_page\\_media/3686/Advanced%20Optical%20Daylighting%20Systems%20Light%20Shelves%20and%20Light%20Pipes\\_LBeltran.pdf](https://research.arch.tamu.edu/media/cms_page_media/3686/Advanced%20Optical%20Daylighting%20Systems%20Light%20Shelves%20and%20Light%20Pipes_LBeltran.pdf)

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Class space furnished for more than 30 students                           |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector, screen and Internet connection |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | None                                                                      |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                            | Assessor          | Assessment Methods |
|----------------------------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Faculty / Student | Indirect           |
| <b>Effectiveness of students' assessment</b>       | DQD/ Faculty      | Indirect/ Direct   |
| <b>Quality of learning resources</b>               | Instructor        | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality Committee | Direct             |
| <b>Other</b>                                       |                   |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Interior design studio VII

Course Code: IDE 401

Program: Interior design engineering

Department: Decoration and Interior design engineering

College: College of engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 december 2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 4 ( 4/0/0 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: Level 7 , year 4

#### 4. Course General Description:

In this course, students develop a hotel project that applies research and specific knowledge related to the hospitality industry. The course builds the student's ability to apply acquired interior design knowledge by adding specialized information and skills appropriate in the hospitality industry.

Students develop solutions for a hospitality project. The project includes a dining facility and a portion of the lodging in a boutique hotel in a pre-existing structure. Client and program are determined by the instructor.

#### 5. Pre-requirements for this course (if any):

IDE 302

#### 6. Co-requisites for this course (if any):

No co-requisites courses

#### 7. Course Main Objective(s):

This course aims at allowing the students to develop their design skills by actually getting involved with progressively difficult design problems. Students are expected to apply their knowledge while designing in a form like computer graphics, working details, practical knowledge regarding execution of the project.

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 120           | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |



### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | -             |
| 2.    | Laboratory/Studio | 120           |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 120           |

### B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                    | Code of PLOs aligned with the program | Teaching Strategies                                                  | Assessment Methods                                                                              |
|------|-------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                 |                                       |                                                                      |                                                                                                 |
| 1.1  | Recognize the technical data needed to design hotels' and their impact on the arrangement of interior space | K2                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys               |
| 1.2  | Define the design process and aesthetic considerations in developing hotel projects.                        | K4                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, presentation, and juries<br><b>Indirect:</b> surveys |
| 1.3  | Identify the social and economic environment of the project in the field of interior design.                | K4                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys               |
| 2.0  | Skills                                                                                                      |                                       |                                                                      |                                                                                                 |
| 2.1  | Draw architectural plans, elevations and sections accurately and neatly.                                    | S3                                    | Illustrative Examples, Practical implementation                      | <b>Direct :</b> Weekly progress of project and juries<br><b>Indirect:</b> surveys               |
| 2.2  | Demonstrate creative thinking through presentation of ideas,                                                | S1                                    | Illustrative Examples, Practical implementation                      | <b>Direct :</b> Weekly progress of project,                                                     |

| Code | Course Learning Outcomes                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                             | Assessment Methods                                                                               |
|------|--------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------|
|      | approaches, and concepts.                                                                                    |                                       |                                                 | presentation, and juries<br><b>Indirect:</b> surveys                                             |
| 2.3  | Designing a boutique hotel project in an existing building based on the requirements of the design process   | S1                                    | Illustrative Examples, Practical implementation | <b>Direct :</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys               |
| 3.0  | <b>Values, autonomy, and responsibility</b>                                                                  |                                       |                                                 |                                                                                                  |
| 3.1  | Engage effectively with teams to achieve goals by being aware team work structures and dynamics, team ethics | V1                                    | Feedback in critiques and tutorial              | <b>Direct :</b> Weekly progress of project, presentation, and juries<br><b>Indirect:</b> surveys |
| 3.2  | Use time and project management skills to minimize stress and achieve better product                         | V1                                    | Practical implementation                        | <b>Direct :</b> Weekly progress of project, and juries<br><b>Indirect:</b> surveys               |

### C. Course Content

| No  | List of Topics                                                                                   | Contact Hours |
|-----|--------------------------------------------------------------------------------------------------|---------------|
| 1.  | Course description, schedule and introduction to the project (boutique hotel)                    | 8             |
| 2.  | Research of design standards, site visit and case studies analytical for similar hotel projects. | 8             |
| 3.  | Mood board :Practical applications during the studio works                                       | 8             |
| 4.  | Zoning and bubble diagram : practical applications during the studio works                       | 8             |
| 5.  | Architectural plan (Functions and Circulation): practical applications during the studio works.  | 12            |
| 6.  | Furniture Design and Usages Lecture and Practical Applications During the Studio Works.          | 12            |
| 7.  | Floor plan: practical applications during the studio works.                                      | 10            |
| 8.  | Lighting and ceiling Design: Practical Applications During the Studio Works.                     | 8             |
| 9.  | Elevation: Practical Applications During the Studio Works.                                       | 8             |
| 10. | Cross section: Practical Applications During the Studio Works.                                   | 8             |
| 11. | Detailing Drawings Practical Applications During the Studio Works.                               | 8             |
| 12. | Perspectives / 3d shoot: Practical Applications During the Studio Works.                         | 8             |





|       |                                                                                    |     |
|-------|------------------------------------------------------------------------------------|-----|
| 13.   | Material and furniture mood board: Practical Applications During the Studio Works. | 8   |
|       | Final Project Submission and Presentation.                                         | 8   |
| Total |                                                                                    | 120 |

## D. Students Assessment Activities

| No | Assessment Activities *    | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|----------------------------|--------------------------------|--------------------------------------|
| 1. | Participation              | Weekly                         | 5%                                   |
| 2. | Research presentation      | 3 - 4                          | 5%                                   |
| 3. | Weekly progress of project | Weekly                         | 50%                                  |
| 4. | Midterm Exam (jury)        | Week 9                         | 20%                                  |
| 5. | Final Exam (jury)          | Week 16                        | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

|                      |                                                                                                                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References | <b>Book1:</b><br><b>Title :</b> The Design Hotels Book: New Perspectives<br><b>Editor:</b> Design Hotels<br><b>Publisher :</b> Prestel (February 4, 2020)<br><b>ISBN-10 :</b> 3791386328<br><b>ISBN-13 :</b> 978-3791386324                                                                                     |
|                      | <b>Book2:</b><br><b>Title :</b> Hotel to Home: Industrial Interiors from the World's Most Original Hotels<br><b>Author :</b> Sophie Bush<br><b>Publisher :</b> Warehouse Home (6 September 2021)<br><b>ISBN-10 :</b> 1527226514<br><b>ISBN-13 :</b> 978-1527226517                                              |
|                      | <b>Book3:</b><br><b>Title :</b> " Architects' Data " <br><b>Author:</b> Ernst Neufert,<br><b>- Publisher :</b> Wiley-Blackwell; 5th edition (12 July 2019)<br><b>ISBN-10 :</b> 111928435X<br><b>ISBN-13 :</b> 978-1119284352 |
|                      | <b>Book4:</b><br><b>-Title :</b> Fundamentals of Lighting: Studio Instant Access<br><b>Author:</b> Susan M. Winchip<br><b>Publisher :</b> Fairchild Books; 3rd edition (12 January 2017)                                                                                                                        |



|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | ISBN-10 : 1501317660<br>ISBN-13 : 978-1501317668                                                                                                                                                                |
| <b>Supportive References</b>    | Application of Perception Theory in Hotel Interior Design<br>Hui Yu, Ge Bai, Liang Wu<br>School of Architecture and Fine Art, Dalian University of Technology, Dalian, China.<br>DOI: 10.4236/ojapps.2018.87021 |
| <b>Electronic Materials</b>     | -UOH Electronic library<br>-UOH Blackboard Learning Management System                                                                                                                                           |
| <b>Other Learning Materials</b> | - <a href="https://www.archdaily.com/">https://www.archdaily.com/</a><br>- <a href="https://www.pinterest.com/CPC3/interior-design/">https://www.pinterest.com/CPC3/interior-design/</a>                        |

## 2. Required Facilities and equipment

| Items                                                                                     | Resources                                                                                                                |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample natural and artificial light. |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | Instructor computer linked to a projector and screen<br>Internet connection                                              |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Space to present projects on walls or partitions                                                                         |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Student / faculty | Indirect           |
| Effectiveness of Students assessment        | Faculty/ DQD      | Direct/ indirect   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       |                   |                    |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Project Report Writing**

Course Code: **IDE 451**

Program: **Interior Design Engineering**

Department: **Decoration and Interior Design Engineering**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> version**

Last Revision Date: **1 december 2024**

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 2 ( 2/2/0 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: Level 7 / Year 4

#### 4. Course General Description:

This course focuses on research and writing within the field of interior design. It covers design opportunities, emphasizing skills such as problem identification, research formulation, qualitative and quantitative analysis, synthesis, and the creation of project proposals. Additionally, the course introduces various techniques and methods for evaluative research.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requisites for this course (if any):

None

#### 7. Course Main Objective(s):

Upon completion of this course, students will be able to organize research solutions, analyze interior design engineering problems, and evaluate information to draw conclusions. They will develop innovative solutions to complex research problems related to interior design engineering and construction, based on critical analysis. In addition, students will demonstrate effective oral and written communication skills, using the techniques and tools necessary to research new information. They will be able to work independently on design and research projects, while continually improving their personal and professional skills through continuous learning and development.

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 30            | 100%       |
| 2  | E-learning            | -             | -          |
| 3  | Hybrid                | -             | -          |



| No | Mode of Instruction                                                                         | Contact Hours | Percentage |
|----|---------------------------------------------------------------------------------------------|---------------|------------|
|    | <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                           | -             | -          |

### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 30            |
| 2.    | Laboratory/Studio | -             |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 30            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                                                      | Code of PLOs aligned with the program | Teaching Strategies                                                                                                                           | Assessment Methods                                                                          |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                                   |                                       |                                                                                                                                               |                                                                                             |
| 1.1  | Determine methodologies for writing reports and how to use them.                                                                              | K5                                    | <ul style="list-style-type: none"> <li>Interactive Lecture</li> <li>Illustrative tutorials</li> </ul>                                         | <b>Direct</b><br>- Practical exercises,<br>- Mid Exam<br><b>Indirect</b> - Survey           |
| 1.2  | Select the most appropriate methods, equipment and tools for writing and presenting good technical reports.                                   | K5                                    | <ul style="list-style-type: none"> <li>Interactive Lecture</li> <li>Illustrative tutorials</li> <li>Discussion.</li> </ul>                    | <b>Direct</b><br>- Practical exercises,<br>- Mid Exam<br><b>Indirect</b> - Survey           |
| 2.0  | Skills                                                                                                                                        |                                       |                                                                                                                                               |                                                                                             |
| 2.1  | Organize research solutions and analyzing problems related Interior Design Engineering by evaluating information and interpreting the result. | S1                                    | <ul style="list-style-type: none"> <li>Interactive Lecture</li> <li>Research</li> <li>Brain storming</li> <li>Cooperative learning</li> </ul> | <b>Direct</b><br>- Mid Exam<br>- Research Proposal (final Exam)<br><b>Indirect</b> - Survey |
| 2.2  | Develop innovative solutions to in-depth research problems                                                                                    | S4                                    | <ul style="list-style-type: none"> <li>Discussion</li> <li>Research</li> <li>Presentation</li> <li>Cooperative</li> </ul>                     | <b>Direct</b><br>- Presentation                                                             |





| Code       | Course Learning Outcomes                                                                                                                                  | Code of PLOs aligned with the program | Teaching Strategies                                                                                                  | Assessment Methods                                                                              |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|            | related to Interior Design Engineering and construction and based on critical analysis of the research.                                                   |                                       | learning                                                                                                             | - Research Proposal (final Exam)<br><b>Indirect</b> - Survey                                    |
| 2.3        | Demonstrate effective oral presentation and written report by understanding and learning the techniques and tools required to search for new information. | S4                                    | <ul style="list-style-type: none"> <li>• Research</li> <li>• Presentation</li> <li>• Cooperative learning</li> </ul> | <b>Direct</b><br>- Presentation<br>- Research Proposal (final Exam)<br><b>Indirect</b> - Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                               |                                       |                                                                                                                      |                                                                                                 |
| 3.1        | Improve personal and professional level by continuous learning and develop upon independently.                                                            | V2                                    | <ul style="list-style-type: none"> <li>• Research</li> <li>• Cooperative learning</li> </ul>                         | <b>Direct</b><br>- Exercises<br>- Research Proposal (final Exam)<br><b>Indirect</b> - Survey    |

### C. Course Content

| No           | List of Topics                                                                 | Contact Hours |
|--------------|--------------------------------------------------------------------------------|---------------|
| 1.           | Introduction to what is research?                                              | 2             |
| 2.           | Writing appropriate to the field of interior design                            | 2             |
| 3.           | Addresses design opportunities, including the skills of problem identification | 2             |
| 4.           | Problem Formulation                                                            | 2             |
| 5.           | Qualitative research                                                           | 4             |
| 6.           | Quantitative research                                                          | 4             |
| 7.           | Analysis                                                                       | 4             |
| 8.           | Synthesis                                                                      | 4             |
| 9.           | Project proposals                                                              | 6             |
| <b>Total</b> |                                                                                | <b>30</b>     |



## D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All the term                   | 5%                                   |
| 2. | Exercises 1             | 3                              | 5%                                   |
| 3. | Exercises 2             | 5                              | 10%                                  |
| 4. | Exercises 3             | 9                              | 10%                                  |
| 5. | Midterm Exam            | 8                              | 30%                                  |
| 6. | Presentation            | 14                             | 10%                                  |
| 7. | Final Exam (Proposal)   | 17                             | 30%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

#### Essential References

##### Book 1:

Haddad, R. (2014). Research and Methodology for Interior Designers. Procedia - Social and Behavioral Sciences 122 (2014) 283 – 291.

##### Book 2:

Shoket, M. (2014). Research Problem: Identification and Formulation. International Journal of Research (IJR), 1(4), 512-518. ISSN 2348-6848.

##### Book 3 :

Robinson, E. J. and Palmon, R. R. (2009). Problem Identification and Construction: What Do We Know, What Is the Future? Psychology of Aesthetics, Creativity, and the Arts © 2009 American Psychological Association 2009, Vol. 3, No. 1, 43–47

##### Book 4 :

Curry, L. A., Nembhard, I. M. and Bradley, E. H. (2009). Qualitative and Mixed Methods Provide Unique Contributions to Outcomes Research, Circulation, 119(10), 1442-1452.

##### Book 5:

Tuli, F. (2010). The Basis of Distinction between Qualitative and Quantitative Research in Social Science: Reflection on Ontological, Epistemological and Methodological Perspectives. Ethiop. J. Educ. & Sc. 6(1), 97-108.

#### Supportive References

##### Book 1:

Garip, E. Garip, S. B. (2021). Handbook of Research on Methodologies for Design and Production Practices in Interior Architecture, IGI Global USA eISSN: 2475-6830.

##### Book 2 :

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <p>Dana, E. V. and David, W. (2020). Research Methods for Interior Design Applying Interiority.</p> <p><b>Book 3 :</b></p> <p>Tichapondwa, S. M. (2013). Preparing your dissertation at a distance: A Research guide.</p> <p>Groat, L. N. and Wang, D. (2013). Architectural Research Methods, 2nd Edition, Wiley.</p>                                                                                                                                                                                                                                                                                                                                                                                             |
| Electronic Materials     | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Other Learning Materials | <ul style="list-style-type: none"> <li>- <a href="https://www.youtube.com/watch?v=JrPl1xAjL9E&amp;ab_channel=JamieStevens">https://www.youtube.com/watch?v=JrPl1xAjL9E&amp;ab_channel=JamieStevens</a></li> <li>- <a href="https://www.scribbr.com/dissertation/research-proposal/">https://www.scribbr.com/dissertation/research-proposal/</a></li> <li>- <a href="https://www.youtube.com/watch?v=MisdE7l8q2w&amp;ab_channel=RiceUniversity">https://www.youtube.com/watch?v=MisdE7l8q2w&amp;ab_channel=RiceUniversity</a></li> <li>- <a href="https://www.youtube.com/watch?v=KywZXYXiQ8s&amp;ab_channel=DustyColumbia">https://www.youtube.com/watch?v=KywZXYXiQ8s&amp;ab_channel=DustyColumbia</a></li> </ul> |

## 2. Required Facilities and equipment

| Items                                                                                                | Resources                                                                 |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <p><b>facilities</b></p> <p>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)</p> | Class space furnished for more than 30 students                           |
| <p><b>Technology equipment</b></p> <p>(projector, smart board, software)</p>                         | Instructor computer linked to a projector, screen and Internet connection |
| <p><b>Other equipment</b></p> <p>(depending on the nature of the specialty)</p>                      | None                                                                      |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Student / faculty | Indirect           |
| Effectiveness of Students assessment        | Faculty/ DQD      | Direct/ indirect   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       |                   |                    |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Working drawing II

Course Code: IDE 435

Program: Interior Design Engineering Program

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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| F. Assessment of Course Quality: .....                                                | 8 |
| G. Specification Approval Data:.....                                                  | 8 |





## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3, 0, 6)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 7<sup>th</sup> level, 4<sup>th</sup> year

#### 4. Course General Description:

**Working Drawing 2** builds on foundational skills to deepen students' understanding of interior design detailing and technical documentation. This course focuses on advanced aspects of interior design, such as partition walls, ceiling plans, flooring plans, and material specifications. Students will learn to create detailed drawings that adhere to technical standards and drafting conventions, ensuring precision and clarity in design communication. Through a combination of interactive lectures and hands-on studio work, the course emphasizes the practical application of materials and construction techniques in interior spaces. By the end of the course, students will be equipped to produce professional-quality drawings that reflect industry standards and best practices.

#### 5. Pre-requirements for this course (if any):

IDE 328

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

- 1. Master Detailing Techniques:** Develop advanced skills in creating detailed drawings for partition walls, ceiling plans, flooring plans, and other interior elements.
- 2. Understand Material Applications:** Gain in-depth knowledge of various materials and their technical specifications for use in interior design projects.
- 3. Apply Technical Standards:** Learn to produce drawings that comply with professional drafting standards, conventions, and industry best practices.
- 4. Enhance Studio and Technical Skills:** Strengthen practical abilities through hands-on studio work, integrating theoretical knowledge with real-world design challenges.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 90            | 100%       |





| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 2  | E-learning                                                                                         |               | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               | -          |
| 4  | Distance learning                                                                                  |               | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 10            |
| 2. | Laboratory/Studio     | 80            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 90            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                                                                      | Code of PLOs aligned with the program | Teaching Strategies                          | Assessment Methods                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                                                   |                                       |                                              |                                                                                                |
| 1.1  | Recognize terminology associated with interior design detailing and finishes.                                                                                 | K2                                    | -Lectures and Presentations<br>-Case Studies | <b>Direct:</b> Practical exercises<br>, Weekly progress of project<br><b>Indirect:</b> Surveys |
| 1.2  | Recognize symbols, abbreviations, and representations of materials in interior production drawings, principles and methods of interior elements construction. | K2                                    | - Lecture<br>- Discussion                    | <b>Direct:</b> Practical exercises<br>, Weekly progress of project<br><b>Indirect:</b> Surveys |





| Code | Course Learning Outcomes                                                                                                                                 | Code of PLOs aligned with the program | Teaching Strategies                                                             | Assessment Methods                                                                                                        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1.3  | Recognize floor finishes, ceiling types and finishes, and partition walls types used in interior design and their construction and installation methods. | K2                                    | - Lecture<br>- Brainstorming<br>- Problem solving                               | <b>Direct:</b> Practical exercises<br>, Weekly progress of project<br><b>Indirect:</b> Surveys                            |
| 2.0  | <b>Skills</b>                                                                                                                                            |                                       |                                                                                 |                                                                                                                           |
| 2.1  | Use time and resource management skills to achieve project and assignment goals on time.                                                                 | S1                                    | -Hands-On Drawing Exercises<br>-Studio Workshops                                | <b>Direct:</b> Practical exercises<br>, Weekly progress of project, Research (Report), Juries<br><b>Indirect:</b> Surveys |
| 2.2  | Select proper methods of construction for any interior element.                                                                                          | S2                                    | -Mock Projects<br>-Feedback in critiques and tutorials.                         | <b>Direct:</b> Practical exercises<br>, Weekly progress of project, Research (Report), Juries<br><b>Indirect:</b> Surveys |
| 2.3  | Draw up a sequence of accurate detail drawings that show the materials used, their construction method, and their installation in the interior space.    | S2                                    | Interactive Lecture, tutorial, discussion, feedback in critiques and tutorials. | <b>Direct:</b> Practical exercises<br>, Weekly progress of project, Research (Report), Juries<br><b>Indirect:</b> Surveys |
| 3.0  | <b>Values, autonomy, and responsibility</b>                                                                                                              |                                       |                                                                                 |                                                                                                                           |
| 3.1  | Participate in, and contribute in a relevant                                                                                                             | V1                                    | -Collaborative Learning                                                         | <b>Direct:</b> Weekly progress of                                                                                         |





| Code | Course Learning Outcomes                                                      | Code of PLOs aligned with the program | Teaching Strategies            | Assessment Methods                                                                               |
|------|-------------------------------------------------------------------------------|---------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------|
|      | way to class discussions and critiques.                                       |                                       | -Ethics Discussions            | project, Research (Report), Juries<br><b>Indirect:</b> Surveys                                   |
| 3.2  | Participate effectively in group work and presentation towards a common goal. | V1                                    | -Office Management Simulations | <b>Direct:</b> Weekly progress of project, Research (Report), Juries<br><b>Indirect:</b> Surveys |

### C. Course Content:

| No           | List of Topics                                                                                                                                                                                                                                                               | Contact Hours |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1.           | <b>Partition walls</b> <ul style="list-style-type: none"> <li>Gypsum walls</li> <li>Lath and plaster partitions</li> <li>Masonry partitions</li> <li>Glass block partitions</li> <li>Demountable and moving partitions</li> </ul>                                            | 30            |
| 2.           | <b>Ceilings</b> <ul style="list-style-type: none"> <li>Suspended acoustical ceilings</li> <li>Gypsum wallboard ceilings</li> <li>Plaster ceilings</li> <li>Decorative suspended ceilings</li> <li>Metal and wood ceilings</li> </ul>                                         | 30            |
| 3.           | <b>Flooring</b> <ul style="list-style-type: none"> <li>Wood floors</li> <li>Laminate floors</li> <li>Terrazzo</li> <li>Stone flooring</li> <li>Access flooring</li> <li>Carpet</li> <li>Tile flooring</li> <li>Seamless flooring</li> <li>Colored polish concrete</li> </ul> | 30            |
| <b>Total</b> |                                                                                                                                                                                                                                                                              | <b>90</b>     |



## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Assignments             | Varies                         | 40%                                  |
| 2. | Student research paper  | Week 10                        | 10%                                  |
| 3. | Midterm exam            | Week 9                         | 25%                                  |
| 4. | Final Project           | Week 16                        | 20%                                  |
| 5. | Participation           | All the semester               | 5%                                   |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References     | <ul style="list-style-type: none"> <li>Ballast, David, Interior Construction &amp; Detailing for Designers &amp; Architects; <b>Publisher:</b> PPI, a Kaplan Company; Sixth edition (March 1, 2019)</li> <li>Plunkett, Drew, Construction and Detailing for Interior Design. Laurence King Publishers; <b>Publisher:</b> LAURENCE KING; 2nd edition (August 14, 2015)</li> </ul> <p>Joseph De Siara, 2001, Time-Saver Standards for Interior Design and Space Planning, 2nd Ed, New Yourk, McGraw-Hill Education.</p> |
| Supportive References    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Electronic Materials     | <ul style="list-style-type: none"> <li>- Arch Review</li> <li>- Arcrecord</li> <li>- Arcworld</li> <li>- Albina Magazine</li> <li>- UoH Electronic library and the Blackboard Learning Management System</li> </ul>                                                                                                                                                                                                                                                                                                   |
| Other Learning Materials | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### 2. Educational and Research Facilities and Equipment Required:

| Items                                                                              | Resources                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Accommodation</b><br>(Classrooms, laboratories, demonstration rooms/labs, etc.) | Class space furnished for more than 30 students               |
| <b>Technology Resources</b><br>(AV, data show, Smart Board, software, etc.)        | Instructor computer with projector and screen internet access |
| <b>Other Resources</b>                                                             | None                                                          |

| Items                                                                                            | Resources |
|--------------------------------------------------------------------------------------------------|-----------|
| (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) |           |

#### F. Assessment of Course Quality:

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Students/ Faculty | Indirect           |
| Effectiveness of students' assessment       | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       | -                 | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

#### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Professional practices of interior design

Course Code: IDE 453

Program: Interior Design Engineering Program

Department: Decoration & Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1 December 2024

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3, 3, 0)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: 7<sup>th</sup> level, 4<sup>th</sup> year

#### 4. Course General Description:

This course provides an in-depth exploration of the professional standards, practices, and responsibilities essential to the interior design industry. Students will gain practical knowledge in project management, client communication, contract documentation, and ethical decision-making. The course also covers business operations, including budgeting, marketing, and legal considerations, preparing students to navigate the complexities of the profession. Through case studies, real-world scenarios, and interactive discussions, students will develop the skills and confidence needed to succeed as ethical, knowledgeable, and professional interior designers.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

1. **Understand Industry Standards:** Familiarize students with the professional standards, ethics, and legal requirements governing the interior design industry.
2. **Explore Career Pathways:** Introduce students to diverse career opportunities in interior design, including roles in residential, commercial, and specialized design fields.
3. **Enhance Client Communication:** Teach effective strategies for client interaction, including negotiation, presentation, and conflict resolution.
4. **Master Documentation Practices:** Provide knowledge and skills in preparing contracts, proposals, and project documentation in compliance with industry norms.
5. **Foster Ethical and Professional Responsibility:** Cultivate an understanding of ethical decision-making, sustainability, and social responsibility in interior design practice.

### 2. Teaching Mode: (mark all that apply)



| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         |               | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               | -          |
| 4  | Distance learning                                                                                  |               | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     | -             |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                                                | Code of PLOs aligned with the program | Teaching Strategies                                        | Assessment Methods                                                                              |
|------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                                             |                                       |                                                            |                                                                                                 |
| 1.1  | Recognize various positions, titles, their roles and responsibilities in the interior design industry.                                  | K5                                    | -Lectures and Presentations<br>-Case Studies               | <b>Direct:</b><br>Theoretical Exams, Presentation, Research (report)<br><b>Indirect:</b> Survey |
| 1.2  | Recognize designer's responsibility to other designers, designer and client relationship and its significance in the process of Design, | K5                                    | - Lecture<br>- Discussion<br>-Role-Playing and Simulations | <b>Direct:</b><br>Theoretical Exams, Presentation, Research (report)                            |



| Code       | Course Learning Outcomes                                                                                                  | Code of PLOs aligned with the program | Teaching Strategies                                           | Assessment Methods                                                                              |
|------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|            | and designer role in the community.                                                                                       |                                       |                                                               | <b>Indirect:</b> Survey                                                                         |
| 1.3        | Recognize the various agreements and documents used in the industry like contracts.                                       | K5                                    | - Lecture<br>- Brainstorming<br>- Project-Based Learning      | <b>Direct:</b><br>Theoretical Exams, Presentation, Research (report)<br><b>Indirect:</b> Survey |
| <b>2.0</b> | <b>Skills</b>                                                                                                             |                                       |                                                               |                                                                                                 |
| 2.1        | Evaluate their own work and formulate strategies to promote themselves.                                                   | S5                                    | -Group Discussions and Debates<br>-Peer Reviews and Critiques | <b>Direct:</b><br>Theoretical Exams, Presentation, Research (report)<br><b>Indirect:</b> Survey |
| 2.2        | Relate their educational experience to a broader/contemporary social and cultural perspective.                            | S5                                    | -Project-Based Learning<br>-Research Assignments              | <b>Direct:</b><br>Theoretical Exams, Presentation, Research (report)<br><b>Indirect:</b> Survey |
| 2.3        | Take personal responsibility for their independent learning, follow-ups, for determining and achieving personal outcomes. | S2                                    | discussion, feedback in critiques and tutorials.              | <b>Direct:</b><br>Theoretical Exams, Presentation, Research (report)<br><b>Indirect:</b> Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                               |                                       |                                                               |                                                                                                 |
| 3.1        | Exercise sense of leadership and responsibility while working with others in terms of ethics and time management.         | V1                                    | -Collaborative Learning<br>-Ethics Discussions                | <b>Direct:</b><br>Presentation, Research (report)<br><b>Indirect:</b> Survey                    |
| 3.2        | Learn independently and develop                                                                                           | V1                                    | -Office Management Simulations                                | <b>Direct:</b><br>Presentation,                                                                 |



| Code | Course Learning Outcomes                             | Code of PLOs aligned with the program | Teaching Strategies | Assessment Methods                           |
|------|------------------------------------------------------|---------------------------------------|---------------------|----------------------------------------------|
|      | continuously on the personal and professional level. |                                       |                     | Research (report)<br><b>Indirect:</b> Survey |

### C. Course Content:

| No    | List of Topics                       | Contact Hours |
|-------|--------------------------------------|---------------|
| 1.    | Introduction & history               | 3             |
| 2.    | Divisions of the profession          | 3             |
| 3.    | Ethics                               | 6             |
| 4.    | Portfolios                           | 3             |
| 5.    | Planning a new design practice       | 3             |
| 6.    | Business Organization and Management | 3             |
| 7.    | Determining Design Fees              | 6             |
| 8.    | Preparing design contracts           | 18            |
| Total |                                      | 45            |

### D. Students Assessment Activities:

| No | Assessment Activities *       | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------------|--------------------------------|--------------------------------------|
| 1. | Quiz                          | Week 4                         | 5%                                   |
| 2. | Presentation 1- Portfolio     | Week 5                         | 10%                                  |
| 3. | Presentation 2 -Business plan | Week 7                         | 10%                                  |
| 4. | Mid term                      | Week 14                        | 20%                                  |
| 5. | Presentation 3 -Contract      | Week 16                        | 10%                                  |
| 6. | Final exam                    | Week 17                        | 40%                                  |
| 7. | Participation                 | All the semester               | 5%                                   |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

### E. Learning Resources and Facilities:

#### 1. References and Learning Resources:

| Essential References |                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | - Piotrowski, Christine. <i>Professional Practices for Interior Designers</i> , 6th Edition. New York: John Wiley & Sons, Inc., March 31, 2020. <b>ISBN-13</b> : 978-1119554516 |



|                          |                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supportive References    | - Interior design, professional practice and competency requirements; <b>International Design Journal / Article 8, Volume 6, Issue 2 - Serial Number 18, Spring 2016, Page 101-108; Abeer Alawad; Donia M Bettaieb</b> |
| Electronic Materials     | - UoH Electronic library and the Blackboard Learning Management System                                                                                                                                                 |
| Other Learning Materials | - Computer-based programs/CD, professional standards or regulations and software                                                                                                                                       |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                                                      | Resources                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Accommodation</b><br>(Classrooms, laboratories, demonstration rooms/labs, etc.)                                         | <ul style="list-style-type: none"> <li>room to accommodate 25 to 30 students</li> <li>Computers and internet access for students</li> </ul> Workstation for the instructor to be equipped with projector and whiteboard |
| <b>Technology Resources</b><br>(AV, data show, Smart Board, software, etc.)                                                | <ul style="list-style-type: none"> <li>Microsoft Office</li> </ul>                                                                                                                                                      |
| <b>Other Resources</b><br>(Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | None                                                                                                                                                                                                                    |

## F. Assessment of Course Quality:

| Assessment Areas/Issues                            | Assessor          | Assessment Methods |
|----------------------------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b>                   | Students/ Faculty | Indirect           |
| <b>Effectiveness of students' assessment</b>       | DQD/ Faculty      | Indirect/ Direct   |
| <b>Quality of learning resources</b>               | Instructor        | Direct             |
| <b>The extent to which CLOs have been achieved</b> | Quality committee | Direct             |
| <b>Other</b>                                       | -                 | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Handcraft**

Course Code: **IDE 456**

Program: **Interior Design program**

Department: **Decoration and Interior Design Engineering department**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> Version**

Last Revision Date: **1 December 2024**

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| D. Students Assessment Activities .....                                              | Error! Bookmark not defined. |
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| F. Assessment of Course Quality .....                                                | Error! Bookmark not defined. |
| G. Specification Approval .....                                                      | Error! Bookmark not defined. |





## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 2 (2/0/4)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (8<sup>th</sup> Level , year 4 , 3<sup>rd</sup> semester)

#### 4. Course General Description:

This course focuses on providing students with the technical skills and technical expertise of ceramic formation and developing their creative ability through this practical skill.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

Introducing students to raw clay in terms of its types and how to obtain it, methods of preparing and preparing it, and methods of ceramic formation in the past and presently. Al-Ezz after it has become a fashion suitable for classic and modern home décor. Porcelain is considered one of the most important materials that are compatible with architecture and interior design. It has aesthetics that make it suitable for creating many innovative ceramic designs, whether three-dimensional or flat. Also, using search engines to obtain technical knowledge of ceramic formation and interior design. And communication with the local community through field visits and exhibitions.

### 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction   | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1  | Traditional classroom | 60            | 100%       |
| 2  | E-learning            | -             | -          |



| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | -             |
| 2. | Laboratory/Studio     | 60            |
| 3. | Field                 | -             |
| 4. | Tutorial              | -             |
| 5. | Others (specify)..... | -             |
|    | Total                 | 60            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                              | Code of PLOs aligned with the program | Teaching Strategies                                                                                 | Assessment Methods                                                         |
|------|-------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                           |                                       |                                                                                                     |                                                                            |
| 1.1  | Learn about clay raw materials in terms of their types and how to get them.                           | K4                                    | - lecture<br>- Dialogue and discussion.<br>- Brainstorming                                          | Oral discussion                                                            |
| 1.2  | Distinguish between ancient and modern methods of ceramic formation, methods of using potter's tools. | K4                                    | -lecture<br>-Small workshops<br>-Dialogue and discussion.<br>-Brainstorming<br>-Research activities | - Evaluation of practical activities<br>-Evaluation of research activities |
| 2.0  | Skills                                                                                                |                                       |                                                                                                     |                                                                            |
| 2.1  | Creates ceramic works based on                                                                        | S3                                    | -lecture<br>-Brainstorming                                                                          | Evaluation of practical activities                                         |

| Code | Course Learning Outcomes                                                                                                     | Code of PLOs aligned with the program | Teaching Strategies                                                                                                                                                  | Assessment Methods                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
|      | concepts related to interior design.                                                                                         |                                       | Dialogue and discussion<br>Practical activities<br>- Blackboard<br>Displaying some artworks from various schools of art in ceramics                                  | Oral discussion                                                           |
| 2.2  | Infer aesthetic values in ceramic artwork.                                                                                   | S3                                    | -lecture<br>-Brainstorming<br>Dialogue and discussion.<br>-Practical activities<br>- Blackboard<br>-Displaying some artworks of various schools of art in sculpture. | Evaluation of practical activities<br>Oral discussion.                    |
| 2.3  | Apply modern means of communication (YouTube/Twitter) to identify the most important modern theories in the art of ceramics. | S3                                    | Practical projects                                                                                                                                                   | -Project Evaluation<br>-Evaluation of research activities.                |
| 3.0  | Values, autonomy, and responsibility                                                                                         |                                       |                                                                                                                                                                      |                                                                           |
| 3.1  | Share different opinions and ideas in front of colleagues to enhance the quality of performance and artistic sense.          | V1                                    | - Brainstorming<br>Dialogue and discussion.<br>- Illustrations<br>-Presentation and discussion of some designs and artworks.                                         | -Evaluation of practical activities<br>-Evaluation of research activities |





## C. Course Content:

| No    | List of Topics                                                                                                                                                                                                                                              | Contact Hours |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1.    | A brief history of the art of ceramics and the different types of clays (local and imported)                                                                                                                                                                | 4             |
| 2.    | Methods of restoring and preparing clay, potter's tools and method of using them, and the relationship between the design of ceramic murals and interior design (making a mural by indented and prominent carvings using Islamic motifs and Arabic letters) | 8             |
| 3.    | Manual shaping methods (ropes), making clay figures using this technique and employing them to be used as aesthetic additions to home decorations                                                                                                           | 4             |
| 4.    | Methods of manual formation Templates Making decorative figures using slides Templates and how to install slides to make figures                                                                                                                            | 8             |
| 5.    | Methods of manual molding Molds Making decorative figures using the molding technique.                                                                                                                                                                      | 8             |
| 6.    | The most famous potters, displaying their most important works, and inlaid ceramics (making clay models and feeding them with other materials)                                                                                                              | 8             |
| 7.    | Learn the technique of vacuum forming and making decorative figures using this technique                                                                                                                                                                    | 8             |
| 8.    | A theoretical study of the first and second fire methods. Operate ovens and control the required temperatures. And the types of ovens and the method of using each of them, and its advantages and disadvantages.                                           | 8             |
| 9.    | Crockery glaze                                                                                                                                                                                                                                              | 4             |
| Total |                                                                                                                                                                                                                                                             | 60            |

## D. Students Assessment Activities:

| No | Assessment Activities *                        | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|------------------------------------------------|--------------------------------|--------------------------------------|
| 1. | Participation, Observation and oral discussion | Weekly                         | 5%                                   |
| 2. | Practical exercises                            | Weekly                         | 20%                                  |
| 3. | Homework                                       | 3 <sup>rd</sup> week           | 15%                                  |
| 4. | Report                                         | 6 <sup>th</sup> week           | 10%                                  |
| 5. | Mid Term Project                               | 9 <sup>th</sup> week           | 30%                                  |
| 6. | Final Exam ( Final Project )                   | 16 <sup>th</sup> week          | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

| Essential References | Boook 1 |
|----------------------|---------|
|----------------------|---------|



|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <p>Allam Muhammad Allam, The Science of Ceramics, The Thousand Books series, the General Authority for Books and Scientific Equipment, Cairo, 1967 AD.</p> <p><b>Book 2</b></p> <p>Colbeck, J. (2010). <i>The Potter's Handbook: An Illustrated Guide to Throwing, Shaping, Decorating, and Firing</i>. Watson-Guption Publications.</p>                                                                                                                                                         |
| Supportive References    | <ul style="list-style-type: none"> <li>• Ceramics and Pottery, Methods and Methods, Dar Al-Rasheed for Printing and Publishing, Damascus, 1996 AD.</li> <li>• John Kerswell, translated by Muhammad Amer Al-Mohandes, Chinese Ceramics and its Impact on the West, Dar Al-Kitab Al-Arabi, Cairo 1998 AD.</li> <li>• Popular Woodworking Magazine. (2016). Woodworking Techniques. Popular Woodworking.</li> <li>• - Eid Al-Sadr: The Art of Ceramics (Ceramics by the Potter Artist).</li> </ul> |
| Electronic Materials     | <p><a href="http://www.civilizationstory.com/tharwat/">http://www.civilizationstory.com/tharwat/</a></p> <p><a href="http://www.louvre.fr/llv/commun/home.jsp?bmlocale=en">http://www.louvre.fr/llv/commun/home.jsp?bmlocale=en</a></p> <p><a href="http://www.youtube.com/watch?v=GzGjNp1V1CA">http://www.youtube.com/watch?v=GzGjNp1V1CA</a></p> <p><a href="http://www.civilizationstory.com/tharwat/">http://www.civilizationstory.com/tharwat/</a></p>                                      |
| Other Learning Materials | University's library                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                                | Resources                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>facilities</b></p> <p>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)</p> | <p><b>Study classroom for 15 students</b></p> <p><b>Pottery lab</b></p>                                                                                                                                                                                                                                                                                                                             |
| <p><b>Technology equipment</b></p> <p>(Projector, smart board, software)</p>                         | <p><b>* Data Show.</b></p> <ul style="list-style-type: none"> <li>- An ordinary large blackboard.</li> <li>- Whiteboard pens.</li> <li>- Technical resources (data display tools, smart boards, software, etc.)</li> <li>- Projector and display screen.</li> </ul> <p><b>Multimedia projector and projection screen.</b></p> <ul style="list-style-type: none"> <li>- Laptop computers.</li> </ul> |
| <p><b>Other equipment</b></p> <p>(Depending on the nature of the specialty)</p>                      | <ul style="list-style-type: none"> <li>• A dedicated hall with tables that allows for cooperative learning.</li> </ul> <p><b>Art materials and tools such as clay, water, and wooden tools for carving.</b></p> <p><b>Basins and sinks for washing and cleaning tools.</b></p>                                                                                                                      |



| Items | Resources                 |
|-------|---------------------------|
|       | Cloth and cleaning tools. |

#### F. Assessment of Course Quality:

| Assessment Areas/Issues                     | Assessor              | Assessment Methods |
|---------------------------------------------|-----------------------|--------------------|
| Effectiveness of teaching                   | Faculty / students    | Direct             |
| Effectiveness of students' assessment       | Faculty / Quality DQD | Indirect /Direct   |
| Quality of learning resources               | Instructor            | Direct             |
| The extent to which CLOs have been achieved | Quality committee     | Direct             |
| Other                                       | -                     | -                  |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

#### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **CAPSTONE PROJECT**

Course Code: **IDE 402**

Program: **Interior design engineering**

Department: **Decoration and Interior design engineering**

College: **College of engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> version**

Last Revision Date: **1 december 2024**

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 4 ( 4/0/0 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: Level 8 , year 4

#### 4. Course General Description:

The Capstone project studio challenges students to apply the knowledge and skills they've developed throughout their program. Students are expected to work on well-designed, multifunctional projects such as hotels, resorts, service centers, sports clubs, libraries, educational institutions, and government buildings. This final design experience is a self-directed project, guided by instructors, and requires students to showcase the full range of their design and critical thinking abilities. Each student will explore and develop their design based on a design brief or programming document for a specific project they defined in the previous semester. While the focus of each project may differ, the course is structured to ensure that all projects are of similar scope, sophistication, and complexity. Upon completing this studio, students will graduate as interior designers capable of researching, designing, updating, and managing various types of interior projects.

#### 5. Pre-requirements for this course (if any):

IDE 401

#### 6. Co-requisites for this course (if any):

No co-requisites courses

#### 7. Course Main Objective(s):

This course aims to demonstrate the student's ability to accumulate and integrate the knowledge and skills acquired during their academic studies in the Department of Interior Design.

It also shows the achievement of the highest possible creative, aesthetic and technical standards in the development of a design concept based on general design.

### 2. Teaching mode (mark all that apply)



| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 120           | 100%       |
| 2  | E-learning                                                                                         | -             | -          |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> | -             | -          |
| 4  | Distance learning                                                                                  | -             | -          |

### 3. Contact Hours (based on the academic semester)

| No    | Activity          | Contact Hours |
|-------|-------------------|---------------|
| 1.    | Lectures          | 120           |
| 2.    | Laboratory/Studio | -             |
| 3.    | Field             | -             |
| 4.    | Tutorial          | -             |
| 5.    | Others (specify)  | -             |
| Total |                   | 120           |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes                                                                                        | Code of PLOs aligned with the program | Teaching Strategies                                                  | Assessment Methods                                                                              |
|------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                     |                                       |                                                                      |                                                                                                 |
| 1.1  | Recognize the data needed for designing different types of buildings                                            | K4                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, presentation, and juries<br><b>Indirect:</b> surveys |
| 1.2  | Define solutions to interior design problems in line with aesthetic and functional requirements of the building | K2                                    | Interactive Lecture, Illustrative Examples, Practical implementation | <b>Direct:</b> Weekly progress of project, presentation, and juries<br><b>Indirect:</b> surveys |
| 2.0  | Skills                                                                                                          |                                       |                                                                      |                                                                                                 |



| Code       | Course Learning Outcomes                                                                                                              | Code of PLOs aligned with the program | Teaching Strategies                             | Assessment Methods                                                                                |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 2.1        | Draw all the boards of interior design project with precision and clarity.                                                            | S3                                    | Illustrative Examples, Practical implementation | <b>Direct</b> : Weekly progress of project and juries<br><b>Indirect</b> : surveys                |
| 2.2        | Stimulate research methods in the field of interior design development using project management skills.                               | S1                                    | Illustrative Examples, Practical implementation | <b>Direct</b> : Weekly progress of project, presentation, and juries<br><b>Indirect</b> : surveys |
| 2.3        | Use advanced and specialized devices to manage the practices related to the specialization in interior design                         | S3                                    | Illustrative Examples, Practical implementation | <b>Direct</b> : Weekly progress of project, and juries<br><b>Indirect</b> : surveys               |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                           |                                       |                                                 |                                                                                                   |
| 3.1        | Demonstrates professional values and ethical behaviors required for leadership in project management in the field of interior design. | V1                                    | Feedback critiques in and tutorial              | <b>Direct</b> : Weekly progress of project, presentation, and juries<br><b>Indirect</b> : surveys |
| 3.2        | Use time and project management skills to minimize stress and achieve a better product.                                               | V1                                    | Practical implementation                        | <b>Direct</b> : Weekly progress of project, and juries<br><b>Indirect</b> : surveys               |
| ...        |                                                                                                                                       |                                       |                                                 |                                                                                                   |

### C. Course Content

| No | List of Topics | Contact Hours |
|----|----------------|---------------|
|----|----------------|---------------|



|              |                                                                                                        |            |
|--------------|--------------------------------------------------------------------------------------------------------|------------|
| 1.           | Course description, schedule and introduction to the project (a project of their choice)               | 8          |
| 2.           | Research of design standards, site visit and case studies analytical for similar projects.             | 8          |
| 3.           | Mood board: Practical applications during the studio works                                             | 8          |
| 4.           | Zoning, bubble diagram and functional program: practical applications during the studio works          | 8          |
| 5.           | Architectural plan (Functions and Circulation): practical applications during the studio work.         | 12         |
| 6.           | Furniture and floor plan Design and Usages Lecture and Practical Applications During the Studio Works. | 12         |
| 7.           | Lighting and ceiling Design plan: practical applications during the studio work.                       | 8          |
| 8.           | Plumbing and HVAC plan: Practical Applications During the Studio Works.                                | 8          |
| 9.           | Interior and exterior elevations: Practical Applications During the Studio Works.                      | 8          |
| 10.          | Cross section: Practical Applications During the Studio Works.                                         | 8          |
| 11.          | Detailing Drawings: Practical Applications During the Studio Works.                                    | 8          |
| 12.          | Perspectives / 3d shoot: Practical Applications During the Studio Works.                               | 8          |
| 13.          | Material and furniture mood board: Practical Applications During the Studio Works.                     | 8          |
| 14.          | Final Project Submission and Presentation.                                                             | 8          |
| <b>Total</b> |                                                                                                        | <b>120</b> |

#### D. Students Assessment Activities

| No | Assessment Activities *    | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|----------------------------|--------------------------------|--------------------------------------|
| 1. | Participation              | All the term                   | 5%                                   |
| 2. | Weekly progress of project | Weekly                         | 55%                                  |
| 3. | Midterm Exam (jury)        | Week 9                         | 20%                                  |
| 4. | Final Exam (jury)          | Week 16                        | 20%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

#### E. Learning Resources and Facilities

##### 1. References and Learning Resources

###### Essential References

Book1:





|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <p>Saudi building code<br/>SBC 201 A<br/>Saudi building code national committee</p> <p><b>Book2:</b><br/>-Title: Construction Drawings and Details for Interiors 4th Edition<br/>-Author: Rosemary Kilmer, W. Otie Kilmer<br/>-Publisher: Wiley; 4th edition (August 20, 2021)<br/>ISBN-10: 1119714346<br/>ISBN-13: 978-1119714347</p> <p><b>Book3:</b><br/>-Title:" Architects' Data "<br/>-Author: Ernst Neufert,<br/>-Publisher: Wiley-Blackwell; 5th edition (12 July 2019)<br/>ISBN-10: 111928435X<br/>ISBN-13: 978-1119284352</p> <p><b>Book4:</b><br/>-Title: Materials for Interior Environments<br/>-Author: Corky Binggeli<br/>-Publisher: John Wiley &amp; Sons Inc; 2nd ed. edition (19 December 2019)<br/>ISBN-10: 111830635X<br/>ISBN-13: 978-1118306352</p> <p><b>Book5:</b><br/>-Title: Architectural Detailing: Function, Constructability, Aesthetics<br/>- Author: Architect and Lecturer Edward Allen Aia, Patrick Rand<br/>-Publisher: John Wiley &amp; Sons Inc; 3rd Revised ed. edition (26 April 2016)<br/>ISBN-10: 1118881990<br/>ISBN-13: 978-1118881996</p> |
| Supportive References    | <p>Design Principles and Practices: An International Journal—Annual Review<br/>Serial Founded: 2007<br/>ISSN: 1833-1874 (Print) ISSN: 2473-5736 (Online)<br/>DOI: <a href="http://doi.org/10.18848/1833-1874/CGP">http://doi.org/10.18848/1833-1874/CGP</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Electronic Materials     | <p>-UOH Electronic library<br/>-UOH Blackboard Learning Management System</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Other Learning Materials | <p>- <a href="https://www.archdaily.com/">https://www.archdaily.com/</a><br/>- <a href="https://www.pinterest.com/CPC3/interior-design/">https://www.pinterest.com/CPC3/interior-design/</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## 2. Required Facilities and equipment





| Items                                                                                     | Resources                                                                                                                |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Studio space to accommodate at least 25 students with drawing tables and chairs with ample natural and artificial light. |
| <b>Technology equipment</b><br>(projector, smart board, software)                         | Instructor computer linked to a projector and screen<br>Internet connection                                              |
| <b>Other equipment</b><br>(depending on the nature of the specialty)                      | Space to present projects on walls or partitions                                                                         |

## F. Assessment of Course Quality

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of teaching                   | Student / faculty | Indirect           |
| Effectiveness of Students assessment        | Faculty/ DQD      | Direct/ indirect   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality committee | Direct             |
| Other                                       |                   |                    |

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>COUNCIL /COMMITTEE</b> | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| <b>REFERENCE NO.</b>      | 9 <sup>TH</sup> - 2024/2025                                   |
| <b>DATE</b>               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: **Project Construction Management**

Course Code: **IDE 454**

Program: **Interior Design Engineering Program**

Department: **Decoration and Interior Design Engineering**

College: **College of Engineering**

Institution: **University of Hail**

Version: **2<sup>nd</sup> version**

Last Revision Date: **1st December 2024**

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3,3,0)

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (4th Year / Level 8)

#### 4. Course General Description:

This course provides students with the Emphasis on contract design that reflects knowledge and application of codes published by the National and International Code Council and National Fire Protection Association including plumbing, mechanical, electrical, communications, and finish/furniture selection requirements. Emphasis on contract design that reflects knowledge and application of sustainable building systems and construction.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

On completing this course the students should be able to describe building materials and their codes related to mechanical, plumbing and electrical for ideal interior design. Organize the professional responsibilities in selecting the legal required building materials to ensure safety in design and operation regarding interior design. Demonstrate effective written report of project construction management by using of the tools of search for new information. Develop the ability to work effectively as a member or leader in diverse teams to produce solutions to construction management problems. Exercise sense of responsibility while working with teams to achieve goals by being aware of the time management. Improve on the personal and professional level by learning independently.



## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     |               |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | Total                 | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                              | Code of PLOs aligned with the program | Teaching Strategies                         | Assessment Methods                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                           |                                       |                                             |                                                                                  |
| 1.1  | Describe building materials and their codes related to mechanical, plumbing and electrical for ideal interior design. | K5                                    | 1. Interactive Lecture<br>2. Brain storming | <b>Direct</b><br>- Quizzes<br>- Mid<br>- Final Exams<br><b>Indirect</b> - Survey |
| 1.2  | Organize the professional responsibilities in                                                                         | K5                                    | 1. Interactive Lecture<br>2. Discussion.    | <b>Direct</b><br>- Mid<br>- Final Exams,                                         |





| Code       | Course Learning Outcomes                                                                                                                 | Code of PLOs aligned with the program | Teaching Strategies                                                           | Assessment Methods                                               |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|
|            | selecting the legal required building materials to ensure safety in design and operation regarding interior design.                      |                                       |                                                                               | - Homework<br><b>Indirect</b> - Survey                           |
| ...        |                                                                                                                                          |                                       |                                                                               |                                                                  |
| <b>2.0</b> | <b>Skills</b>                                                                                                                            |                                       |                                                                               |                                                                  |
| 2.1        | Demonstrate effective written report of project construction management by using the tools of search for new information.                | S1                                    | 1. Interactive Lecture<br>2. Illustrative Examples<br>3. Cooperative learning | <b>Direct</b><br>- Research (Report)<br><b>Indirect</b> - Survey |
| 2.2        | Develop the ability to work effectively as a member or leader in diverse teams to produce solutions to construction management problems. | S4                                    | 1. Interactive Lecture<br>2. Illustrative Examples<br>3. Cooperative learning | <b>Direct</b><br>- Research (Report)<br><b>Indirect</b> - Survey |
| ...        |                                                                                                                                          |                                       |                                                                               |                                                                  |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                              |                                       |                                                                               |                                                                  |
| 3.1        | Exercise sense of responsibility while working with teams to achieve goals by being aware of the time management.                        | V2                                    | 1. Cooperative learning<br>2. Research<br>3. Presentation                     | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey |
| 3.2        | Improve on the personal and professional level by learning independently                                                                 | V2                                    | 1. Cooperative learning<br>2. Research<br>3. Presentation                     | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey |
| ...        |                                                                                                                                          |                                       |                                                                               |                                                                  |



## C. Course Content:

| No    | List of Topics                                                                                   | Contact Hours |
|-------|--------------------------------------------------------------------------------------------------|---------------|
| 1.    | Introduction to Contract Design and application of sustainable building systems and construction | 3             |
| 2.    | Introduction of National and International Code Council and National Fire Protection Association | 3             |
| 3.    | Mechanical                                                                                       | 9             |
| 4.    | Electrical                                                                                       | 6             |
| 5.    | Plumbing                                                                                         | 6             |
| 6.    | Communications                                                                                   | 6             |
| 7.    | Furniture selection requirements                                                                 | 9             |
| 8.    | Finish selection requirement                                                                     | 3             |
| ...   |                                                                                                  |               |
| Total |                                                                                                  | 45            |

## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All weeks                      | 5%                                   |
| 2. | Quiz                    | 3                              | 10%                                  |
| 3. | Homework                | 5                              | 10%                                  |
| 4. | Midterm Exam            | 7                              | 30%                                  |
| 5. | Research (Report)       | 9                              | 15%                                  |
| 6. | Final Exam              | 15                             | 30%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

#### Essential References

- Tucker, L. M. (2019). International Building Codes and Guidelines for Interior Design. Bloomsbury Publishing Incorporated. Bloomsbury Publishing Incorporated.
- Saudi building code National Committee (2018). The Implementing Regulation of the Saudi Building Code, Issued by the Ministerial Decree No. (1213 R /GS/39) Dated 14/10/1439H and the Ministerial Decree No. (56) Dated 03/03/1441H (Amendments of the law)

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | <ul style="list-style-type: none"> <li>- SASO (2008), Saudi Arabian Standard, Switches For Household And Similar Fixed Electrical Installations - SASO IEC 60669-2-1/2008</li> <li>- SBC (2007) Saudi Building Code Requirement, SBC 401, Electrical.</li> <li>- SBC (2007) Saudi Building Code Requirement, SBC 501, Mechanical.</li> <li>- Corky Binggeli (2003). Building Systems for Interior Designers. John Wiley &amp; Sons, Inc., Hoboken, New Jersey Carol E. F. (1999). Planning and Managing Interior Projects, 2nd Edition.</li> </ul> |
| <b>Supportive References</b>    | <ul style="list-style-type: none"> <li>- Emad Elbeltagi, (2009). Lecture Notes On Construction Project Management. Professor of Construction Management, Structural Engineering Department, Faculty of Engineering, Mansoura University.</li> <li>- EATON NEC (2020). Code changes based on the 2020 National Electrical Code.</li> </ul>                                                                                                                                                                                                          |
| <b>Electronic Materials</b>     | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other Learning Materials</b> | <ul style="list-style-type: none"> <li>- Seattle Fire codes (2015). Chapter 8 Interior finish, Decorative Materials and Furnishings.</li> <li>- David Burstein and Frank Stasiowski (1991). Project Management for the Design Professional: A Handbook for Architects, Engineers, and Interior Designers. Whitney Library of Design, Edition Revised, Subsequent.</li> </ul>                                                                                                                                                                       |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Class space furnished for more than 30 students                           |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector, screen and Internet connection |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | None                                                                      |

## F. Assessment of Course Quality:

| Assessment Areas/Issues          | Assessor          | Assessment Methods |
|----------------------------------|-------------------|--------------------|
| <b>Effectiveness of teaching</b> | Faculty / Student | Indirect           |



| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of students' assessment       | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality Committee | Direct             |
| Other                                       |                   |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Sustainable Interior Design

Course Code: IDE 426

Program: Interior Design Engineering Program

Department: Decoration and Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1st December 2024

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| E. Learning Resources and Facilities:.....                                            | 6 |
| F. Assessment of Course Quality: .....                                                | 7 |
| G. Specification Approval Data:.....                                                  | 8 |



## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 3 (3,3,0)

### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (4th Year / Level 8)

### 4. Course General Description:

This course enables student's application of different policies to attain the Concept of Sustainable interior design such as Introduction to Sustainability, Green Interior Design and 5 Principles of Sustainable Interior Design, Design for energy efficiency, Design for low environmental impact, Design for waste reduction, Design for longevity and flexibility, Design for healthy environments and Designs consideration for an Ideal Green Interior Design.

### 5. Pre-requirements for this course (if any):

None

### 6. Co-requirements for this course (if any):

None

### 7. Course Main Objective(s):

Upon completing this course students should be able to Classify the concepts and the Principles of Sustainable Interior Design, Identify the natural resources ideal for interior uses in terms of saving energy and low impact to the environment, Organize the fundamentals of engineering in processing natural resources in solving problems in Interior Design Engineering, Analyze Interior Design Engineering and construction problems in-depth and find innovative solutions for sustainable interior spaces, Develop the techniques and tools required to search for information and Improving personal and professional level by learning independently to solve problems in interior design.



## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     |               |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | Total                 | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                                           | Code of PLOs aligned with the program | Teaching Strategies                         | Assessment Methods                                                     |
|------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------|------------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                                        |                                       |                                             |                                                                        |
| 1.1  | Classify the concepts and the Principles of Sustainable Interior Design                                            | K5                                    | 1. Interactive Lecture<br>2. Brain storming | <b>Direct</b><br>- Quizzes<br>- Mid Exams<br><b>Indirect-</b> Survey   |
| 1.2  | Identify the natural resources ideal for interior uses in terms of saving energy and low impact to the environment | K5                                    | 1. Interactive Lecture<br>2. Discussion.    | <b>Direct</b><br>- Mid Exams,<br>- Homework<br><b>Indirect-</b> Survey |
| ...  |                                                                                                                    |                                       |                                             |                                                                        |
| 2.0  | Skills                                                                                                             |                                       |                                             |                                                                        |



| Code | Course Learning Outcomes                                                                                                              | Code of PLOs aligned with the program | Teaching Strategies                                                                      | Assessment Methods                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 2.1  | Organize the fundamentals of engineering in processing natural resources in solving problems in Interior Design Engineering.          | S1                                    | 1. Interactive Lecture<br>2. Brain storming<br>3. Discussion.<br>4. Cooperative learning | <b>Direct</b><br>- Final Exams<br>- Homework<br><b>Indirect</b> - Survey |
| 2.2  | Analyze Interior Design Engineering and construction problems in-depth and find innovative solutions for sustainable interior spaces. | S1                                    | 1. Interactive Lecture<br>2. Brain storming<br>3. Cooperative learning<br>4. Discussion  | <b>Direct</b><br>- Final Exams<br>- Homework<br><b>Indirect</b> - Survey |
| 2.3  | Develop the techniques and tools required to search for information.                                                                  | S4                                    | 1. Illustrative examples<br>2. Cooperative learning<br>3. Research                       | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey         |
| 3.0  | <b>Values, autonomy, and responsibility</b>                                                                                           |                                       |                                                                                          |                                                                          |
| 3.1  | Improving personal and professional level by learning independently to solve problems in interior design.                             | V2                                    | 1. Cooperative learning<br>2. Research<br>3. Illustrative Examples.                      | <b>Direct</b><br>- Research (report)<br><b>Indirect</b> - Survey         |
| 3.2  |                                                                                                                                       |                                       |                                                                                          |                                                                          |
| ...  |                                                                                                                                       |                                       |                                                                                          |                                                                          |

### C. Course Content:

| No | List of Topics                                                        | Contact Hours |
|----|-----------------------------------------------------------------------|---------------|
| 1. | Introduction to Sustainability                                        | 3             |
| 2. | Green Interior Design and 5 Principles of Sustainable Interior Design | 3             |
| 3. | Principles of Sustainable Interior Design                             | 3             |
| 4. | Design for energy efficiency                                          | 6             |
| 5. | Design for low environmental impact                                   | 6             |



|       |                                                          |    |
|-------|----------------------------------------------------------|----|
| 6.    | Design for waste reduction                               | 6  |
| 7.    | Design for longevity and flexibility                     | 6  |
| 8.    | Design for healthy environments                          | 6  |
| 9.    | Designs consideration for an Ideal Green Interior Design | 6  |
| Total |                                                          | 45 |

## D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All weeks                      | 5%                                   |
| 2. | Quiz                    | 3                              | 10%                                  |
| 3. | Homework                | 5                              | 5%                                   |
| 4. | Midterm Exam            | 7                              | 25%                                  |
| 5. | Research (Report)       | 9                              | 15%                                  |
| 6. | Final Exam              | 15                             | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Essential References  | <ul style="list-style-type: none"> <li>- Thomas, S. and Karim, G. W. (2022). Energy-Efficient Retrofit of Buildings by Interior Insulation: Materials, Methods and Tools. Oxford, United States. 978-0-12-816513-3.</li> <li>- Lori, D. and Courtney, P. (2021). Green Interior Design: The Guide to Sustainable High Style. Skyhorse Publishing, Network. 25 24 23 22 21 54321.</li> <li>- Emina, P. Brenda, V. and Maibritt, P. Z. (2017). Materials for a Healthy, Ecological and Sustainable Built Environment: Principles for Evaluating. Woodhead Publishing series, United Kingdom. ISBN 978-0-08-100706-8.</li> <li>- Sian, M. (2012). Sustainability in Interior Design (Portfolio Skills: Interior Design).</li> <li>- Susan, W. (2011). Sustainable Design for Interior Environments Second Edition.</li> <li>- Laurence, K. (2012). Sustainability in Interior Design.</li> </ul> |
| Supportive References | <ul style="list-style-type: none"> <li>- The Guide To Sustainable Interior Design, <a href="https://www.countryandtownhouse.com/interiors/sustainable-interior-design/">https://www.countryandtownhouse.com/interiors/sustainable-interior-design/</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | <ul style="list-style-type: none"> <li>- Sustainability in interior design, <a href="https://www.viccarbe.com/sustainability/design-sustainable/">https://www.viccarbe.com/sustainability/design-sustainable/</a></li> <li>- Eco Friendly Interior Design Guide – Top Tips 2021, <a href="https://decoroutdoor.com/blog/eco-friendly-interior-design-guide/">https://decoroutdoor.com/blog/eco-friendly-interior-design-guide/</a></li> <li>- The Importance of Sustainability in Interior Design, <a href="https://www.barbuliannodesign.com/post/the-importance-of-sustainability-in-interior-design">https://www.barbuliannodesign.com/post/the-importance-of-sustainability-in-interior-design</a></li> <li>- A Guide to Sustainable Interior Design, <a href="https://www.sbid.org/a-guide-to-sustainable-interior-design/">https://www.sbid.org/a-guide-to-sustainable-interior-design/</a></li> </ul> |
| Electronic Materials     | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> <li>- <a href="http://leptonstechnologies.com/4-principles-of-sustainable-interior-design/">http://leptonstechnologies.com/4-principles-of-sustainable-interior-design/</a></li> <li>- <a href="https://biofilico.com/sustainable-buildings-interiors">https://biofilico.com/sustainable-buildings-interiors</a></li> <li>- <a href="https://econyl.medium.com/5-principles-of-sustainable-interior-design-b390503a5176">https://econyl.medium.com/5-principles-of-sustainable-interior-design-b390503a5176</a></li> </ul>                                                                                                                                                                                                                                                         |
| Other Learning Materials | <ul style="list-style-type: none"> <li>- Wael Rashdan &amp; Ayman Fathy Ashour (2019). Criteria for Sustainable Interior Design Solutions. WIT Transactions on Ecology and The Environment, Vol 223, © 2017 WIT Press <a href="http://www.witpress.com">www.witpress.com</a>, ISSN 1743-3541 (on-line)</li> <li>- Benoit Cushman-Roisin (2019). Sustainable Design Principles. ENGS 44 Sustainable Design.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Class space furnished for more than 30 students                           |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector, screen and Internet connection |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | None                                                                      |

## F. Assessment of Course Quality:

| Assessment Areas/Issues   | Assessor          | Assessment Methods |
|---------------------------|-------------------|--------------------|
| Effectiveness of teaching | Faculty / Student | Indirect           |



| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| Effectiveness of students' assessment       | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources               | Instructor        | Direct             |
| The extent to which CLOs have been achieved | Quality Committee | Direct             |
| Other                                       |                   |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |





# Course Specification

## (Bachelor)

Course Title: Special topics in Architectural Engineering

Course Code: IDE 490

Program: Interior Design Engineering Program

Department: Decoration and Interior Design Engineering

College: College of Engineering

Institution: University of Hail

Version: 2<sup>nd</sup> version

Last Revision Date: 1st December 2024

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: ( 3 )

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track

B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (4th Year / Level 8)

#### 4. Course General Description:

Variable contents. State-of-the-art advanced topics in the field of Architectural Engineering. Prerequisites: Senior Standing, Consent of Instructor.

#### 5. Pre-requirements for this course (if any):

None

#### 6. Co-requirements for this course (if any):

None

#### 7. Course Main Objective(s):

Provide the students with the necessary architecture current vocabularies describing building materials, technologies and construction techniques employed by renowned architects in iconic buildings and be familiar with the most recent styles that have made significant influences on the development of the state-of-the-art architecture. Widen the students' knowledge scope in recognizing the ethical and professional responsibilities of the emerging up-to-date concepts of architecture design and styles. Enable the students to keep up analyzing the most newfangled design products in the various Interior Design Engineering and construction problems in-depth and find innovative solutions. Make the students to assimilate the elegant hot off the press language to use his ability as appropriate cutting edge in writing, designing and drawing by employing various computer software for their design solutions. Exercise sense of leadership and responsibility by being ambitious as well as objecting being intrigued by the voguish (fashion) designs opting for not only creative but also innovative mod designs. Learn independently and develop continuously on the personal and



professional level by having a comprehensive view of the state-of-the-art Intellectual Thoughts in comparison to the diversified and rich modern architecture styles.

## 2. Teaching Mode: (mark all that apply)

| No | Mode of Instruction                                                                                | Contact Hours | Percentage |
|----|----------------------------------------------------------------------------------------------------|---------------|------------|
| 1  | Traditional classroom                                                                              | 45            | 100%       |
| 2  | E-learning                                                                                         |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul> |               |            |
| 4  | Distance learning                                                                                  |               |            |

## 3. Contact Hours: (based on the academic semester)

| No | Activity              | Contact Hours |
|----|-----------------------|---------------|
| 1. | Lectures              | 45            |
| 2. | Laboratory/Studio     |               |
| 3. | Field                 |               |
| 4. | Tutorial              |               |
| 5. | Others (specify)..... |               |
|    | Total                 | 45            |

## B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

| Code | Course Learning Outcomes                                                                        | Code of PLOs aligned with the program | Teaching Strategies                                                                             | Assessment Methods                                               |
|------|-------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 1.0  | Knowledge and understanding                                                                     |                                       |                                                                                                 |                                                                  |
| 1.1  | Enumerate the key engineering terms for building materials, construction techniques, and recent | K2                                    | <ul style="list-style-type: none"> <li>Cooperative Learning</li> <li>Problem solving</li> </ul> | <b>Direct</b><br>- Research (Report)<br><b>Indirect</b> - Survey |



| Code       | Course Learning Outcomes                                                                                                                          | Code of PLOs aligned with the program | Teaching Strategies                                                                                                                                                         | Assessment Methods                                                |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
|            | methods shaping modern architecture.                                                                                                              |                                       | <ul style="list-style-type: none"> <li>Group research project</li> </ul>                                                                                                    |                                                                   |
| 1.2        | Recognize the ethical and professional responsibilities of the emerging up-to-date concepts of architecture design and styles.                    | K2                                    | <ul style="list-style-type: none"> <li>Discussion</li> <li>Presentations</li> <li>Illustrative tutorials</li> </ul>                                                         | <b>Direct</b><br>- Research (Report)<br><b>Indirect</b> - Survey  |
| <b>2.0</b> | <b>Skills</b>                                                                                                                                     |                                       |                                                                                                                                                                             |                                                                   |
| 2.1        | Analyzing the most recent design products in various interior design and construction engineering problems in depth through innovative solutions. | S2                                    | <ul style="list-style-type: none"> <li>Practical implementation</li> <li>Problem solving</li> </ul>                                                                         | <b>Direct</b><br>- Homework<br><b>Indirect</b> - Survey           |
| 2.2        | Use his ability appropriate cutting edge in writing, designing and drawing by employing various computer software for their design solutions.     | S3                                    | <ul style="list-style-type: none"> <li>Practical implementation</li> <li>Problem solving</li> <li>Brain storming</li> <li>Cooperative learning</li> <li>Research</li> </ul> | <b>Direct</b><br>- Wall Display Board<br><b>Indirect</b> - Survey |
| <b>3.0</b> | <b>Values, autonomy, and responsibility</b>                                                                                                       |                                       |                                                                                                                                                                             |                                                                   |
| 3.1        | Committed to a sense of leadership and responsibility through ambition.                                                                           | V1                                    | <ul style="list-style-type: none"> <li>Problem solving</li> <li>Brain storming</li> <li>Cooperative learning</li> <li>Research</li> </ul>                                   | <b>Direct</b><br>- Discussion<br><b>Indirect</b> - Survey         |
| 3.2        | Independently and continually interested on a personal and professional level by gaining a comprehensive view                                     | V1                                    | <ul style="list-style-type: none"> <li>Practical implementation</li> <li>Problem solving</li> </ul>                                                                         | <b>Direct</b><br>- Final Exams<br><b>Indirect</b> - Survey        |





| Code | Course Learning Outcomes                                                | Code of PLOs aligned with the program | Teaching Strategies | Assessment Methods |
|------|-------------------------------------------------------------------------|---------------------------------------|---------------------|--------------------|
|      | of the latest ideas against the rich and varied styles of architecture. |                                       |                     |                    |

### C. Course Content:

| No    | List of Topics                                                                  | Contact Hours |
|-------|---------------------------------------------------------------------------------|---------------|
| 1.    | Exemplars of contemporary architecture sources                                  | 3             |
| 2.    | Prelude: The notion of the “state of the art”                                   | 3             |
| 3.    | Contemporary architecture                                                       | 6             |
| 4.    | Blobitecture architecture-The King Abdulaziz World Culture (Ithra), Dhahran, R1 | 3             |
| 5.    | Bionic architecture                                                             | 6             |
| 6.    | Biomorphic Architecture                                                         | 6             |
| 7.    | Critical Regionalism                                                            | 3             |
| 8.    | Deconstructivism Architecture                                                   | 3             |
| 9.    | Sustainable architecture-King Abdullah Financial District, Riyadh, R2           | 3             |
| 10.   | Novelty architecture                                                            | 3             |
| 11.   | Warped architecture                                                             | 3             |
| 12.   | The Saudi contemporary architecture exemplars                                   | 3             |
| Total |                                                                                 | 45            |

### D. Students Assessment Activities:

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Participation           | All weeks                      | 5%                                   |
| 2. | Quiz                    | 3                              | 10%                                  |
| 3. | Report                  | 5                              | 10%                                  |
| 4. | Midterm Exam            | 7                              | 20%                                  |
| 5. | Wall Display Board      | 9                              | 15%                                  |
| 6. | Final Exam              | 15                             | 40%                                  |

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)





## E. Learning Resources and Facilities:

### 1. References and Learning Resources:

#### Essential References

- World Architecture: A Cross-Cultural History, author: Richard Ingersoll, 09 Jul 2018, Publisher Oxford University Press Inc. ISBN13 9780190646455
- The Language of Architecture: 26 Principles Every Architect Should Know, Andrea Simitch, Val Warke, Rockport Publishers Inc. (15 July 2014) ISBN-13 978-1592538584
- The Architecture Reference & Specification Book updated & revised: Everything Architects Need to Know Every Day Julia McMorrough Rockport Publishers Inc. (11 January 2018) ISBN-13 : 978-1631593796
- Architectural Detailing: Function, Constructability, Aesthetics Architect and Lecturer Edward Allen Aia (Author), Patrick Rand, John Wiley & Sons Inc; 3rd Revised ed. edition (26 April 2016) ISBN-13 : 978-1118881996
- Public Places Urban Spaces: The Dimensions of Urban Design Matthew Carmona Routledge; 3rd ed. edition (15 February 2021) ISBN-13 : 978-1138067783
- 30-Second Architecture: The 50 Most Significant Principles and Styles in Architecture, each Explained in Half a Minute Edward Denison, Jonathan Glancey. The Ivy Press (22 November 2018) ISBN-13 : 978-1782406389
- European Style Author: Staffs of Tang Art Publishing Ref 9789881567949/ 2012 ISBN Number 9789881567949
- Architecture in Context, Designing in The Middle East, Hassan Radoine Publishing Willy Ref 9781118719886 / 2017 ISBN Number 9781118719886
- The Architecture Concept Book: An inspirational guide to creative ideas, strategies and practices James Tait, Thames & Hudson Ltd (1 March 2018) ISBN-13 : 978-0500343364
- Architectural Graphic Standards American Institute of Architects, John Wiley & Sons Inc; 12th edition (11 March 2016) ISBN-13 : 978-1118909508
- Solar Energy in Buildings : Thermal Balance for Efficient Heating and Cooling, Avi Friedman, Rizzoli International Publications (17 March 2015) ISBN-13 : 978-0847843725
- The Greening of Architecture: A Critical History and Survey of Contemporary Sustainable Architecture and Urban Design, Phillip James Tabb, A. Senem Deviren Published January 24, 2014 by Routledge ISBN 9781409447399
- Sun, Wind, and Light: Architectural Design Strategies Mark Dekay, G Z Brown Wiley; 3rd Revised ed. edition (18 March 2014) ISBN-13 : 978-0470945780



|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supportive References    | <ul style="list-style-type: none"> <li>- Ahmed Osman Ibrahim, Modern and contemporary architecture styles, scientific publication and translation, ISBN 978-603-8176-31-8176-37-5, Qassim University, Buraydah, published 2016.</li> <li>- Ahmed Osman Ibrahim, Design styles in the architecture of corporate headquarters, LAMBERT Academic Publishing, ISBN: 978-3-659-49764-3, OmniScriptum GmbH. KG, published 2013.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Electronic Materials     | <ul style="list-style-type: none"> <li>- UOH Electronic library</li> <li>- UOH Blackboard Learning Management System</li> <li>- <a href="https://uoh.blackboard.com/webapps/blackboard/execute/modulepage/view?course_id=154586_1&amp;cmp_tab_id=167597_1&amp;editMode=true&amp;mode=cpview2">https://uoh.blackboard.com/webapps/blackboard/execute/modulepage/view?course_id=154586_1&amp;cmp_tab_id=167597_1&amp;editMode=true&amp;mode=cpview2</a></li> <li>- <a href="https://library.uoh.edu.sa/iii/encore/record/C_Rb1018883_Sarchitecture_P1_Orightresult_U_X4?lang=ara&amp;suite=def">https://library.uoh.edu.sa/iii/encore/record/C_Rb1018883_Sarchitecture_P1_Orightresult_U_X4?lang=ara&amp;suite=def</a></li> <li>- <a href="https://library.uoh.edu.sa/iii/encore/record/C_Rb1031091_Sarchitecture_Orightresult_U_X6?lang=ara&amp;suite=def">https://library.uoh.edu.sa/iii/encore/record/C_Rb1031091_Sarchitecture_Orightresult_U_X6?lang=ara&amp;suite=def</a></li> <li>- <a href="https://library.uoh.edu.sa/iii/encore/?lang=ara">https://library.uoh.edu.sa/iii/encore/?lang=ara</a></li> </ul> |
| Other Learning Materials |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 2. Educational and Research Facilities and Equipment Required:

| Items                                                                                     | Resources                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>facilities</b><br>(Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Class space furnished for more than 30 students                           |
| <b>Technology equipment</b><br>(Projector, smart board, software)                         | Instructor computer linked to a projector, screen and Internet connection |
| <b>Other equipment</b><br>(Depending on the nature of the specialty)                      | None                                                                      |

## F. Assessment of Course Quality:

| Assessment Areas/Issues               | Assessor          | Assessment Methods |
|---------------------------------------|-------------------|--------------------|
| Effectiveness of teaching             | Faculty / Student | Indirect           |
| Effectiveness of students' assessment | DQD/ Faculty      | Indirect/ Direct   |
| Quality of learning resources         | Instructor        | Direct             |

| Assessment Areas/Issues                     | Assessor          | Assessment Methods |
|---------------------------------------------|-------------------|--------------------|
| The extent to which CLOs have been achieved | Quality Committee | Direct             |
| Other                                       |                   |                    |

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval Data:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| COUNCIL /COMMITTEE | DECORATION AND INTERIOR DESIGN ENGINEERING DEPARTMENT COUNCIL |
| REFERENCE NO.      | 9 <sup>TH</sup> - 2024/2025                                   |
| DATE               | 05/02/2025                                                    |

