



# Course Specification

— (Bachelor)

Course Title: **Financial Modelling**

Course Code: **FIN 461**

Program: **BSC. Finance**

Department: **Department of Economics and Finance**

College: **College of Business Administration**

Institution: **University of Ha'il**

Version: **Version Three**

Last Revision Date: 05 Feb. 2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: ( 3Hrs )

#### 2. Course type

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

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

#### 4. Course general Description:

This course is designed to introduce students, and eventually equip them with, the quantitative tools in financial modeling that are necessary for making informed decisions in finance and investment. Using spreadsheets, particularly, Microsoft Excel, students will learn how to optimize the use of spreadsheets in understanding and creating quantitative financial models that are commonly employed in measuring and managing financial risk as well as generating firm's forecasts and predictions.

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

FIN317, FIN320 & ACC309

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

NA

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

The main objective of this course is provide students with the real world environment where they can gain hands-on experience on applying finance theory. After completing this course, the students should be able to:

- Understand the importance of spreadsheets in financial modeling;
- Explain the causal impact of data on a firm's financial overall performance;
- Identify and measure risks faced by the firm based on data analysis;
- Recommend various risk-managing approaches;
- Present forecasts and predictions about the overall financial performance of a firm.
- Construct efficient diversification in portfolio management

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





No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning	0	0%
3	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul>	0	0%
4	Distance learning	0	0%

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

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	0
3.	Field	0
4.	Tutorial	0
5.	Others (specify)	0
Total		45

## 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	Recognize the financial problems to be solved using financial modeling.	K2	1. Lectures 2. Class Discussion	Direct: 1. Homework 2. Midterm Exam 3. Final exam Indirect: Course Evaluation survey by students
2.0	Skills			





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
2.1	Examine the tools deemed necessary for building financial models.	S2	1. Lectures 2. Class Discussion 1.	Direct: 1. Quizzes 2. Homework 3. Midterm Exam 4. Final Exams Indirect: Course Evaluation survey by students
2.2	Estimate the potential risks, both at present and in future.	S3	2. Lectures 3. Cooperative learning	Direct: 1. Assignments 2. Quizzes 3. Midterm exam 4. Final Exam Indirect: Course Evaluation survey by students
2.3	Forecast and predict the firm's performance based on the data analysis.	S3	1. Lectures 2. Problem Solving 3. Class discussion	Direct: 1. Homework 2. Midterm Exam 3. Lab Exam 4. Final exam Indirect: Course Evaluation survey by students
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>			
3.1	Exhibit teamwork while designing and developing financial models.	V2	1. Class Discussion 2. Learning in groups 3. Presentation	Direct: 1. Presentation 2. Group Research Report Indirect: Course Evaluation





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
				survey by students
3.2	Demonstrate the ability to prepare and present, both in writing and verbally, the recommended solutions to the financial problems at hands.	V2	<ol style="list-style-type: none"> <li>1. Class Discussion</li> <li>2. Learning in groups</li> <li>3. Presentation</li> </ol>	Direct: <ol style="list-style-type: none"> <li>1. Presentation</li> <li>2. Group Research</li> <li>3. Report</li> </ol> Indirect:           Course Evaluation survey by students

### C. Course Content

No	List of Topics	Contact Hours
1.	Chapter 1. Introduction to Financial Modelling	7
2.	Chapter 2. Time Value of Money	6
3	Chapter 3. Bond Valuation	6
4	Chapter 4. Cost of Capital	6
5	Chapter 5. Stock Valuation	5
6	Chapter 6. Capital Structure	5
7	Chapter 7. Capital Budgeting	5
8	Chapter 8. Ratio Analysis	5
Total		45

### D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	LAB	1-7 and 8-14 <sup>th</sup>	10%
2.	Participation in Extra Curriculum Activities and Homework/Assignments	3-15 <sup>th</sup>	5%
3.	Quizzes	2 <sup>th</sup> & 7 <sup>th</sup>	5%
4.	MID TERM	8 <sup>th</sup>	30%
5.	Final Exam	16 <sup>th</sup>	50%

\*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	Financial Modelling in Power BI: Forecasting Business Intelligently by <a href="#">Liam Bastick</a> , <a href="#">Jonathan Liau</a> ; Publisher Holy Macro! Books (2022)  Financial Modeling and Valuation: A Practical Guide to Investment Banking and Private Equity by Paul Pignataro; Publisher John Wiley & Sons Inc (2013)
Supportive References	<b>Textbook:</b> All other materials used for this course, including cases, will be provided digitally.
Electronic Materials	<b>Library Online Databases of the university -</b> <a href="http://libsys.uoh.edu.sa:2048/login">http://libsys.uoh.edu.sa:2048/login</a> <b>Blackboard -</b> <a href="http://www.uoh.edu.sa/MediaCenter/Advertisements/Pages/blackboard-tutorial.aspx">http://www.uoh.edu.sa/MediaCenter/Advertisements/Pages/blackboard-tutorial.aspx</a>
Other Learning Materials	

### 2. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms
<b>Technology equipment</b> (projector, smart board, software)	Smart Board, <b>Projector</b>
<b>Other equipment</b> (depending on the nature of the specialty)	N/A

## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Chairperson & Peers (PAAAP) Class Observation (using class observation form) Students Course Evaluation Survey (CES)	Direct Indirect
Effectiveness of Students assessment	Reviewer (faculty from the same department) Reviewing the exam paper Co-signing the grades. Unified Mid-term/Final Exams	Direct

Assessment Areas/Issues	Assessor	Assessment Methods
Quality of learning resources	Instructor (Course Report). Students Course Evaluation Survey (CES)	Direct Indirect
The extent to which CLOs have been achieved	Instructor Direct Method (CLOs Assessment Form for all assessment methods) (Students CLO Assessment Survey)	Direct Indirect
Other		

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

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

<b>COUNCIL /COMMITTEE</b>	<b>DEP. COUNCIL OF ECONOMICS AND FINANCE</b>
<b>REFERENCE NO.</b>	
<b>DATE</b>	<b>2023/11/12</b>







المملكة العربية السعودية  
وزارة التعليم  
جامعة حائل  
كلية إدارة الأعمال  
قسم الاقتصاد والتمويل

التاريخ:

1445/04/28 هـ

2023/11/12 م

الموضوع:

محضر مجلس قسم الاقتصاد والتمويل الثالث  
للعام الأكاديمي 1444 / 1445 هـ

### رقم الموضوع (1)

الموضوع	كافة توصيف المقررات لبرنامج المالية على النموذج المحدث للمركز الوطني للتقويم والاعتماد الوطني 2023 Course Specifications of finance program On the updated form of the National Center for National Evaluation and Accreditation 2023
البرنامج	التمويل
التصنيف	شؤون الجودة
	Finance
	Quality affairs

#### ● مناقشة مجلس القسم:

ناقش مجلس القسم كافة توصيف المقررات لبرنامج المالية على النموذج المحدث للمركز الوطني للتقويم والاعتماد الوطني 2023. وذلك حسب التقرير المرفق.

The department council discussed on course specifications of finance program on the updated form of the National Center for National Evaluation and Accreditation 2023. As per the attached report.

#### ● توصية مجلس القسم:

يوصي مجلس القسم بالموافقة على اعتماد كافة توصيف المقررات لبرنامج المالية على النموذج المحدث للمركز الوطني للتقويم والاعتماد الوطني 2023

The department council recommended approval of course specifications of finance program on the updated form of the National Center for National Evaluation and Accreditation 2023

التوقيع:

● مصادقة رئيس القسم / د. عبد الحميد الشمري



المملكة العربية السعودية  
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الموضوع:

محضر مجلس قسم الاقتصاد والتمويل الثالث  
للعام الأكاديمي 1445 /1444 هـ

• مصادقة أعضاء مجلس القسم على الموضوع (1)

الموضوع رقم	1	اعتماد موضوع / توصيف المقررات 2023 Approval of / course specifications- 2023	التوصية بالموافقة على توصيف المقررات 2023 Agree for / course specifications -2023
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الرقم	الاسم Name	الرقم الوظيفي UOH ID	التصويت Vote		التوقيع Signature
			موافق	غير موافق	
1	رئيس قسم الاقتصاد والتمويل د. عبدالحميد فرحان الشمري	2339580	✓		
2	د. عبدالكريم احمد عامر	7030662	✓		
3	د. محمد سيف الإسلام	7170032	✓		
4	د. إبراهيم عبد الرسول	7190188	✓		
5	د. فخري عالم	7150353	✓		
6	د. رايس احمد	7151492	✓		
7	د. ثاقب منير	7170065	✓		
8	د. مظهر حسين	7190419	✓		
9	د. طاهر اختر	7190412	✓		
10	د. شعيب خان	7180225	✓		
11	د. كوثر حمراني	7151012	✓		
12	د. ريجيس أرونا	7152432	✓		
13	د. عواطف الوحيشي	7190204	✓		
14	د. حبيب حسين خان	7190652	✓		
15	د. هاله الغزالي	7180506	✓		
16	د. وليد سعود الغصائب	2360650	✓		
17	د. سليمان عبدالله	7170062	✓		
18	د. وليد يوسف الشاعر	2340610	✓		