Al – al Bayt University
Department of Finance and Banking

Course Outline of : <u>Computer Applications in Banking Operations</u>

1. Instructor's Information:

Instructor's / Coordinator's Name:	Sufian HRAZE
Office Hours:	12:00:13:00 Sun, Mon & Tue
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Research and Teaching Assistant / Supervisor / Technical (if any):	/

2. Course Description:

Applications of banking operations: deposit and lending transactions; financial & investment analysis, establishing and managing the securities portfolio; financial evaluation of new projects; and dealing with foreign exchange currencies.

3. Course Information:

Course No.: 0503321	Course Title:	Level: 3rd Year
Course Type: Theoretical and Practical.	Prerequisite: Principles of Finance.	Class Time: 09:30 – 11:00
Academic Year: 2018 / 2019	Semester: First	Study hours: 3

4. Course Objectives:

a-	To understand how to calculate present and future value
b-	To understand how to calculate net present value and internal rate of returns.
c-	To understand how to build and manage a portfolio.

5. Learning Outcomes:

(Knowledge, Skills, and Competencies)

Upon successful completion of the course, the students will be able to:

1. Calculate present and future value.

2. Calculate net present value and internal rate of returns.

3. Calculate return and risk based on Sharp.

4. Calculate return and risk based on Treynor.

5. Calculate return and risk based on Harry Markowitz.

6. Course Content:

Week	Subject
First	Introduction & Preface
Second	Time value of money (1)
Third	Time value of money (2)
Fourth	Time value of money (3)
Fifth	Capital budgeting (1)
Sixth	**First Exam**
Seventh	Capital budgeting (2)
Eighth	Some Statistical Concepts (1)
Ninth	Some Statistical Concepts (2)
Tenth	Mean Variance Portfolio (1)
Eleventh	Mean Variance Portfolio (2)
Twelfth	**Second Exam**
Thirteenth	Portfolio Based on Sharpe Index (1)
Fourteenth	Portfolio Based on Sharpe Index (2)
Fifteenth	Optimal Portfolio Based on Treynor Index
Sixteenth	**Final Exam**

7. Teaching and Learning Strategies and Evaluation Methods

No.	Learning Outcomes	Teaching Strategies	Learning Activities	Evaluation /Measurement Method (Exam/ presentations/ discussion/ assignments)
1	To understand how to calculate the present and future value.	Lecture Questions Exercises	Provide examples Summarize ideas compare models	Exam Discussing
2	To understand how to choose the project based on NPV and IRR.	Lecture Questions Exercise	Provide examples Summarize ideas compare models	Exam Discussing
3	Calculate some statistical concepts	Lecture Questions Exercise	Provide examples Summarize ideas compare models	Exam Discussing
4	To understand build portfolio based on different models.	Lecture Questions Exercise	Provide examples Summarize ideas compare models	Exam Discussing

8. Assessment

Methods Used	Assessment Time	Distribution of grades
1- semester work (report, assignments, attendance)	During semester	10
2- First Exam	Third week	20
3- Second Exam	Sixth week	20
4- Final Exam	Week of the final exams	50

9. Textbook

Main Reference	Principles of Finance with Microsoft Excel
Author	Simon Benninga
Publisher	Oxford University Press, Inc
Year	2011
Edition	Second Edition
Textbook Website	https://www.amazon.com/Principles-Finance-Excel-Simon-Benninga/dp/0199755477

10. Extra References (books and research published in periodicals or websites)

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2-	
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