



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	<i>Mathematics for business and economics</i>
2	Course number	<i>5203115</i>
3	<i>Credit hours (theory, practical)</i>	<i>3</i>
	<i>Contact hours (theory, practical)</i>	<i>3</i>
4	Prerequisites/corequisites	<i>None</i>
5	Program title	<i>Risk management and insurance</i>
6	Program code	<i>03</i>
7	Awarding institution	<i>The university of Jordan</i>
8	Faculty	<i>Management and finance</i>
9	Department	<i>Risk management and insurance</i>
10	Level of course	<i>1</i>
11	Year of study and semester (s)	<i>2nd semester 2014/2015</i>
12	Final Qualification	<i>Bachelor</i>
13	Other department (s) involved in teaching the course	<i>None</i>
14	Language of Instruction	<i>English</i>
15	Date of production/revision	<i>2nd semester 2011 / revised yearly</i>

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Ibrahim Alshomaly 36038 , (11:00-12:00am) , 0795139515 , i.alshomaly@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Ibrahim Alshomaly 36038 , (11:00-12:00am) , 0795139515 , i.alshomaly@ju.edu.jo

18. Course Description:

As stated in the approved study plan.

This course aim to introduce the mathematics in relation to business and economics applications, it consists the rules of linear and quadratic equations and differentiation and there relation to supply, demand, revenue, cost and profit applications. It also introduces the mathematics of finance, integration, and matrices.

1. 19. Course aims and outcomes:

2.

A- Aims:

The objectives of this course are:

1. To introduce the rules of mathematics that is related to business and economics.
2. To identify the student of how the rules of mathematics can be applied in business and economics issues.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

1- ability to formulate linear equations for business and economics variables

2- ability to formulate non- linear equations for business and economics variables

3-ability to solve financial applications using compounding technique.

4-ability to find the optimal values of economic and financial functions using derivatives

5-ability to evaluate the consumer and producer benefits if there any change in market prices

6-ability to employ matrix in solving economic functions

20. Topic Outline and Schedule:

3.

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Linear equations	1-3	Alshomaly	1	Assignments & short exams	Mathematics for Economics and Business(Jaques) 6e
Non-Linear equations	4-7	Alshomaly	2	Assignments & short exams	Mathematics for Economics and Business(Jaques) 6e
Mathematics of finance	8	Alshomaly	3	Assignments & short exams	Mathematics for Economics and Business(Jaques) 6e
differentiation	9-14	Alshomaly	4	Assignments & short exams	Mathematics for Economics and Business(Jaques) 6e
integration	15	Alshomaly	5	Assignments & short exams	Mathematics for Economics and Business(Jaques) 6e
matrix	16	Alshomaly	6	Assignments & short exams	Mathematics for Economics and Business(Jaques) 6e

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

1- presenting the logic of mathematics in any application

2- solving practical case studies

3- using excel applications to solve problems

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

- 1- short and long exams***
- 2- short home work***

23. Course Policies:

- A- Attendance policies: according to Jordanian university rules
- B- Absences from exams and handing in assignments on time: according to Jordanian university rules
- C- Health and safety procedures: according to Jordanian university rules
- D- Honesty policy regarding cheating, plagiarism, misbehavior: according to Jordanian university rules
- E- Grading policy: according to Jordanian university rules
- F- Available university services that support achievement in the course: computer lap , internet

24. Required equipment:

The course needs :

25. References:

- A- Required book (s), assigned reading and audio-visuals:

Mathematics for Economics and Business

By: Ian Jaques 6th Edition , Prentice Hall publishers(ISBN:0-273-72228-X)

- B- Recommended books, materials, and media:

Fundamental of corporate finance (Ross) 8e

26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:
Head of Department
Assistant Dean for Quality Assurance
Course File