The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	*Sampling theory and application*
2	Course number	*5203352*
3	*Credit hours (theory, practical)*	*3*
	Contact hours (theory, practical)	*3*
4	Prerequisites/corequisites	*5203150*
5	Program title	*Risk management and insurance*
6	Program code	*03*
7	Awarding institution	*The university of Jordan*
8	Faculty	*Management and finance*
9	Department	*Risk management and insurance*
10	Level of course	*1*
11	Year of study and semester (s)	*2nd semester 2014/2015*
12	Final Qualification	*Bachelor*
13	Other department (s) involved in teaching the course	*None*
14	Language of Instruction	*English*
15	Date of production/revision	*2nd semester 2011 / revised yearly*

16. Course Coordinator:

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

Sadam Alwadi 36038 , (11:00-12:00am) , 0776635251. Sadam_alwadi@yahoo.co.uk

17. Other instructors:

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

Sadam Alwadi 36038 , (11:00-12:00am) , 0776635251. Sadam_alwadi@yahoo.co.uk

18. Course Description:

This course focuses on the following subjects: Simple random sampling, with and
without replacement, stratified random sampling, ratio estimation and regression estimation,
Systematic sampling, cluster sampling.

1. *19. Course aims and outcomes:*
2.

A- Aims:

1. **Fundamental statistical concepts used in sampling theory and practices**

2. **Fundamental about sampling errors.**

3. **Examples of common financial losses due to poor sampling practices.**

4. **Definition of Data Quality Objectives.**

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

understand the meaning of samples
understand the types of samples
applications about the samples in Finance and economic
How to draw the suitable sample

20. Topic Outline and Schedule:

3.

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Simple random sampling	1-3	Alwadi	1	Assignments & short exams	Elementary Survey Sampling. 6th edithion Richard Scheaffer, William Mendenhall a R. Lyman
stratified random sampling	4-6	Alwadi	2	Assignments & short exams	
ratio estimation and regression estimation	7-10	Alwadi	3	Assignments & short exams	
Systematic sampling	11-14	Alwadi	4	Assignments & short exams	
cluster sampling	15-16	Alwadi	5	Assignments & short exams	

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following <u>teaching and learning methods</u>:
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 <u>assessment methods and requirements</u>:
1- short and long exams
2- short home work

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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 :

2. References:

Elementary Survey Sampling. 6th edithion by Richard Scheaffer, William Mendenhall and R. Lyman

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: ---------------------------------

<u>Copy to:</u>

Head of Department
Assistant Dean for Quality Assurance
Course File