



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	<i>Elementary of Statistics</i>
2	Course number	<i>5203150</i>
3	<i>Credit hours (theory, practical)</i>	<i>3</i>
	<i>Contact hours (theory, practical)</i>	<i>3</i>
4	Prerequisites/corequisites	-
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 2015/2016</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.

***Mohammad hasan saleh, (14:00-15:30am) , 0797370073. Mohsaleh1966@yahoo.com
(11- 12)***

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:

The course covers basic statistical concepts and techniques and presents procedures for applying them. The emphasis is on the application of statistical knowledge and it consists of: Descriptive statistics. Correlation and regression, Index numbers, Probability concepts. This course may include: Descriptive Statistics (Distribution (frequency) tables; bar graphs and histograms; distribution (frequency) curves, measures of centrality and variability for raw and for grouped data, percentiles), Elements of Probability (Sample space and events (simple and compound) of a random phenomenon; basic laws of probability; rules of counting; sample selection (with replacement, without replacement and simultaneous) disjoint and independent events, conditional probability), Binomial, Poisson, Normal populations, Sampling distribution of sample mean.

1. 19. Course aims and outcomes:

1. Introduce basic statistical methodology of data analysis including; graphs, descriptive statistics
2. Introduce basics of probability and probability distributions.
3. estimation, confidence interval, sample size determination
4. correlation and simple regression
How to draw the suitable sample

20. Topic Outline and Schedule:

2.					
Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Basic Concepts: Statistics, variable, types of data, population, sample, parameter, statistic, descriptive statistics, and inferential statistics, frequency table, data collection.	1-3	Saleh	1	Assignments & short exams	Introduction to Probability and Statistics by Mandenhall, 6 th edition
Descriptive Statistics: 1- Graphical summary 2- Measures of central tendency 3- Measures of dispersion. 4- Measures of skewness and kurtosis. 5- Partition measurements (Quartile, Decile, Percentile).	4-6	Saleh	2	Assignments & short exams	
Probability: Definition, axioms, rules of probability, conditional probability and independent, counting rules, bay's theory	7-10	saleh	3	Assignments & short exams	
Random Variables: Discrete and continuous, expected value and variance	11-14	saleh	4	Assignments & short exams	
Some Dis. Random variables: Binomial, Hypergeometric, Poisson probability dist.	15-16	saleh	5	Assignments & short exams	

21. Teaching Methods and Assignments:

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

1- presenting the logic of statistics 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 :

2. References:**2. Additional information:**

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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