



Philadelphia University
Faculty of Administration and
Financial Sciences
Department of Banking and Finance
Second Semester, 2018-2017

<u>Course syllabus</u>	
Course title: Research method and statistic	Course code: 0320108
Course level: compulsory college requirement	Course prerequisite (s) and/or co requisite (s):None
Lecture time: 12:45-2:00 M, W 10:10-11:00 S, T, Th	Credit hours:3

<u>Academic Staff</u>				
<u>Specifics</u>				
Name	Rank	Office number and location	Office hours	E-mail address
Dr: atif batarseh	Assistant professor	31207	8.45-9.45 M,W 9-10 S,T,Th	abatarseh@philadelphia.edu.jo

Course module description:

This course deals with the methodology of scientific research in administrative and economic sciences , types of scientific research , basic steps for writing a scientific research, review of sampling methods and different data collection methods, the course deals with data analysis and interpretation and technical aspects of writing scientific research , and clarifying the bases of scientific documentation

Course module objectives:

- * Defection of scientific research and its conditions and requirements
- * Statement of scientific research types
- * Determine steps of scientific research
- * Identification of sampling methods
- * Identification of ways and means of data collection
- * Analysis of statistical data
- * Identify the technical aspects of writing scientific research

Teaching methods:

Lectures, research proposal, tutorials, problem solving, debates, etc.

Learning outcomes:

*** Knowledge and understanding**

To enrich the student with cognitive abilities and basic skills of learning , and identify the method of scientific research and statistics ,so that the student will be able to write a scientific research

*** Cognitive skills**

Teaching and achieving the skills of the ability to extract, analyze ,describe and connect the theoretical and practical aspects of the material

***Communication skills**

The student must be able to reach the information required from different books and references and people

Assessment instruments

- Short reports and/ or presentations, and/ or Short research projects
- Quizzes.
- Homework
- Research proposal

<u>Allocation of Marks</u>	
Assessment Instruments	Mark
First examination	20%
Second examination	20%
Final examination	40%
Reports, research projects, quizzes, homework, research proposal	20%
Total	100%

Documentation and academic honesty

- Documentation style (with illustrative examples)
- Protection by copyright
- Avoiding plagiarism.

Course/module academic calendar

week	Basic and support material to be covered	Homework/reports and their due dates
(1) 15-19/10/2017	Definition of the course	
(2) 22-26/10/2017	<ul style="list-style-type: none"> * the nature of scientific Research in administrative Science - the concept of knowledge - the importance of scientific Research - characteristics of the researcher - difficulties faced the researcher In social science - the reality of scientific research In the Arab world - outlook for research in the Arab World 	
(3) 29/10-2/11/2017	<ul style="list-style-type: none"> * The nature of administrative And economic science - Economic and administrative Models - Economic and administrative analysis 	Selection of the research title
(4) 5-9/11/2017	<ul style="list-style-type: none"> * steps of scientific research - feeling the problem - determine the objective of the research - review the literature of the study - hypotheses of the study - search design - data collection - classification and tabulation of The data - analysis and interpretation of The data - writing the report 	Quiz (1).
(5) 12-16/11/2017	<ul style="list-style-type: none"> * types of the scientific research - applied research - theoretical research - exploratory research - empirical research - developmental research 	Formulating Hypothesis research
(6) 19-23/11/2017	<ul style="list-style-type: none"> * induction and inference - types of induction - inference 	First examination
(7) 26-30/11/2017	<ul style="list-style-type: none"> * formulation and testing of the Hypotheses - definition of the hypothesis - benefits of using the hypothesis - types of hypotheses - source of hypotheses - testing hypotheses 	Determine sample research

(8) 3-7/12/2017	* research design and source of Data collection - choose research design - secondary sources - primary sources	
(9) 10-14/12/2017	* types of searching methods - definition of descriptive method - patterns of descriptive research - the survey - advantages and criticisms the Descriptive approach	Choose tool of the study
(10) 17-21/12/2017	*types of searching methods : Experimental method - the foundation of the Experimental approach - steps of the experimental Approach - advantages and criticisms the Experimental approach	Quiz (2).
(11) 24-28/12/2017	* samples and data collection methods - simple random sample - regular random sample - stratified random sample - cluster sample - area sample - quota sample - determine the sample size	
(12) 31/12-4/1/2018	* methods of data collection : Questionnaire - how to build questionnaire - public rules of the questionnaire - open ended questions - closed ended questions - advantages and criticisms the Questionnaire	Second examination. Writing the theoretical side
(13) 7-11/1/2018	* The Interview - how to hold an interview - types of the interview - advantages and criticisms of The interview	Determine the statistical method
(14) 14-18/1/2018	* Observation - types of the observation - advantages and criticisms of the Observation	
(15) 21-25/1/2018	* data analysis and interpretation - measures of central tendency - measures of dispersion - testing hypotheses	Research Discussion
(16) 28/1-1/2/2018	* technical aspects of writing a search report - the quote - footnotes - list of sources - headlines in writing the report	Final Examination

Expected workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Course references:

Text Book 1- Ahmad Alrefaae, research methodology: administrative and economical application , Dar Wael publishing , 8th edition , Amman . 2017

2- Fozi Gharaebi and others , methods of scientific research in human and social science , Dar Wael publishing , 6th edition , Amman , 2011