The Hashemite University	
Faculty of Economics and Business Administrative	
Offering Department	Economics
Module title / number	Research method (1802011250)
Teaching staff	
Office location	Econ
Phone	
E-mail	
Office hours	
Pre-requisite	110108103
Module description	
Aims	COURSE OBJECTIVES: The general objective of this course is to introduce students to methods of research. The specific objectives are: (i) to ensure that students acquire practical research skills for business and academic research; (2) to help students understand principles of research; and (3) to enable students to link the research process with theories of their specialist areas (4). To understand the various methods for conducting empirical research (5). To analyze and evaluate important research terms, concepts, and techniques
2- Analytical and thinking skills	
	Students should have the ability to B1) Present written and/or oral reports using critical thinking, economic data, economic theory. B2) Perform mathematics, and statistical knowledge and its application on economic- decision of the firms. B3) Comprehend and communicate data presented graphically and/or mathematically. B4) The ability to relate mathematical and statistical models to their assumptions and to the real world.
Teaching and learning methods	
	The course will be a combination of lecture sessions, class discussions, and group assignments/presentations. Lectures will follow the course outline (given below) and text presentation of the relevant chapters of the recommended text. The instructor may utilize additional information to supplement the text. Students are expected to read topics in textbooks ahead of class and will use lecture sessions to clarify difficult materials. Any changes to the schedule and assignments will be given in class. If for some reason a student must miss a class, it is his/her responsibility to find out what was discussed on that day. For example, the absence from class on a particular day will not be an excuse for a late submission of an assignment.
Assessment methods	
Students will be assessed based on the following:	

Weight	Exam
25%	Midterm exam
25%	Research proposal
50%	Final Exam

Academic Honesty	
	All the assignments and work submitted by the student should be his or her own. All actions of academic dishonesty including cheating, plagiarism or helping other students in such actions will be dealt with strictly according to the university regulations.

Main textbook(s) and additional readings			
	(Research methods for business) fifth edition, 2010. *Wiley*, By: Uma Sekaran and Roger Bougie		
Online Resources			
Detailed lecture schedule			
	Week:	**Material:**	
	Week 1	Ch (1)introduction to research 1-what is research 2-types of researches 3-internal versus external consultant –research 4-ethics and research	
	Week 2	Ch (2):Scientific investigation 1-Purposivenessof scientific research 2-rigor 3-testabililty 4-replicabilty 5-precision and confidence 6-objectivity 7-generalizability 8-parsimony 9-the hypothetic –deductive method	
	Week 3	Ch3-technology and business research Ch (4):The research process 1. broad problem area 2. Preliminary information gathered 3. Literature review 4. Defining the problem statement 5. The research proposal 6. Ethical issues in the preliminary stages of investigation	
	Week 4	Ch(5The research process :theoretical framework and hypothesis development 1. The need for a theoretical framework 2. Variables 3. Types of variables 4. Theoretical framework 5. Hypothesis development 6. Hypothesis testing with qualitative research	
	Week 5	Ch (6):The research process :elements of research design 1. The research design 2. Purpose of the study 3. Exploratory study 4. Descriptive study 5. Hypothesis testing 6. Case study analysis 7. Review of the purpose of the study 8. Type of investigation 9. Unit of analysis :individuals ,dyads ,groups, organization, cultures 10. Time horizon: cross- sectional versus longitudinal studies	

		11. Cross –sectional studies 12. Longitudinal studies	
	Week 6	Ch (8):Measurement of variables 1.How variables are measured 2.Operationalization	
	Week 7	Ch(9)Measuring: Scaling, reliability, validity 1 .Nominal scale 2 .Ordinal scale 3 .Interval scale 4. Ratio scale 5. Review of scale 6. Rating scale 7 .Dichotomus scale 8. Semantic differential scale 9- Numerical scale 10 .Itemized rating scale 11 .Likert scale 12 .Fixed or constant sum scale 13 .Staple scale 14 .Graphic rating scale 15 .Consensus scale 16 .Other scale 17. ranking scale 18 .Comparative scale	
	Week 8+9	Ch (10): Data collection method: 1. Sources of data 2. Primary sources of data 3. Secondary sources of data 4. Data collection methods 5. Questionnaires 6. Other methods of data collection 7. Multi methods of data collection 8. Review of the advantages and disadvantages of different data 9. Collection methods and when to use each 10. Setting from which data are gathered	
	Week 10	Ch (11): Production and Cost in the Long Run: 1.The lab experiment	
	Week 11	Ch (12): Production and Cost Estimation: 1. Population, element , sample, sampling, unit, and subject 2. Population 3. Element 4. Sample 5. Sampling unit 6. Subject 7. Parameters 8. Reasons for sampling 9. Determining the sample size	