Information Technology Department
Master in e-Government
Research Methodology in e-Government (1904770)

Course Objectives

The goal of Research Methods course is to introduce MSc students of IT department to qualitative and quantitative methods for conducting research. They will gain an overview of research intent and design, methodology, techniques, referencing according to APA format and presentation in LaTeX, data collection, management and statistical analysis by SPSS statistical package.

Intended Learning Outcomes (ILO):

The course is organized into number of topics each running over a number of teaching weeks. The other topics are on knowledge that will develop each student's ability to become effective researcher in the field.

On successfully completing the course, the students are expected to have gained good knowledge of:

No.	Course Intended Learning Outcomes (ILOs)
A	Develop a hypothesis and research problem
B	Frame the problem with the correct research method or design
C	Collect data according to the research questions
D	Analyze and interpret data
E	Present data and review research findings

Course Requirements

Class participation is both important and required. It is expected that students will hand in the assignments on time. Since the class will be structured around discussion and interaction, completion of readings and assignments is crucial.

Course Assessment

This will be based on the following elements:
1. Class discussions and assignments
2. Midterm exam
3. Final research paper
4. Final exam

Teaching and Learning Methodology:

Method	Lecture	Demo	Laboratory	Case study
Learning outcomes	A+B+C+D	D+E	A-E	A-E
Assessment	Exams + Assignment + Presentation + Research Paper			

Required Textbook

1. Creswell, J. C. (2012) Educational research: planning, conducting, and evaluating quantitative and qualitative research (4th ed.) Boston, MA: Pearson. [ISBN-13: 9780131367395]

SEQ.	DURATION (WEEKS)	COURSE CONTENT Topics and Materials	READING	Assignments
1	Week 1	**Introduction to Research Methodology**	Creswell Ch1	
2	Week 2, 3	**Research Process; Identifying a Research Problem;**	Creswell Ch 2	
3	Week 4	**Paper formatting in LaTeX**	Online demonstration using Overleaf	
4	Week 4, 5	**Reviewing the Literature; Writing Clearly & Mechanics of Style (APA)**	Creswell Ch 3 Library tutorial	**Assignment 1**
5	Week 6, 7	**Specifying a Purpose; Research Questions or Hypotheses**	Creswell Ch 4	**Test on LaTeX Formating**
6	Week 8	**Midterm exam**		
7	Week 9, 10	**Collecting and Analyzing Quantitative Data**	Creswell Ch 5-6	
8	Week 11,12	**Collecting and Analyzing Qualitative Data**	Creswell Ch 7-8	
9	Week 13	**Statistical data analysis**	Practical demonstration using SPSS software package	**Assignment 2**
10	Week 14	**Reporting and Evaluating Research**	Creswell Ch 9;	
11	Week 15	**Presenting and Defending your work**		**Final research paper submission**

Table header (above):

| RESEARCH METHODS |
| Tentative Course Calendar |

Grading and Evaluation Criteria: 100 points distributed as follows:

Weight	Criteria	Comments
30%	Midterm Exam (Written)	TBA (in due course)
10%	Assignment/Presentations	At least two
20%	Project/Term Paper	At least one
40%	Final Exam (Written)	TBA (in due course)

Intended (Tentative) Grading Scale:

Range	LG	الحرف
90 - 100	A	أ
86 - 89	A-	أ-
82 - 85	B+	ب+
78 - 81	B	ب
74 - 77	B-	ب-
70 - 73	C+	ج+
0 - 69	C	ج

Additional Reading and Extra Material (papers)

- Will be assigned in due course

Regulations:

1. Every student is expected to completely adhere to the exams dates and projects strict deadlines, absolutely no exceptions will be given.

2. Maximum allowable absence 15% of number of Lectures/Semester

- الامتناع المدبر عن حضور المحاضرات أو الدروس أو عن الأعمال الاخرى التي تقضي الأنظمة بالمواظبة عليها ، وكل تحريض على هذا الامتناع سوف يؤدي الى حرمان الطالب من المادة المعنية.

- في حالة التغيب عن امتحان ال Mid Term لن يكون هناك امتحان تعويضي الا في حالة وجود عذر وحالة طارئة من المستشفى. على الطالب ابراز العذر لمدرس المادة في فتره لا تتجاوز الثلاثة ايام من تاريخ الامتحان, وللمدرس الحق في قبول او رفض العذر , وحسب التعليمات.

- **Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For the final complaints, there will be a committee to review grading the final exam.**

- **For more details on University regulations please visit http://www.ju.edu.jo/rules/index.htm**