



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Medical Sciences Department

LM797 Research Thesis Proposal

Second Semester 2022-2023

Course Catalog

2 Credit Hours. This course is offered to students registered in the thesis stream of the master's program. In LM797, students learn research methodology and scientific writing skills via lectures and hands on assignments. The course helps students to refine their research question, write hypotheses, determine the specific aims of their research and the appropriate methods used to investigate the research question. Students will learn how to collect data through questionnaires and how to manage it and present it. At the end of the course, students will submit a written draft of their research proposal.

Text Book

Title	Research Methodology
Author(s)	Ranjit Kumar
Edition	3rd Edition
Short Name	RM
Other Information	

Instructor

Name	Dr. MARYA OBEIDAT
Office Location	Faculty of Applied Sciences 2nd floor
Office Hours	Sun : 11:30 - 13:30 Tue : 11:30 - 12:30 Tue : 13:30 - 14:30 Wed : 12:00 - 13:00 Thu : 11:30 - 12:30
Email	mmobeidat82@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun : 13:30 - 14:30

Room: M3303

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Research Overview	
Week 2	Research proposal	
Week 3	Formulating research problem	
Week 4	Discussion of first assignment	
Week 5	Writing the literature review	
Week 6	Critique of previous proposals	
Week 7	Research types and variables	
Week 8	Research questionnaire	
Week 9	Questionnaire assignment presentation and discussion	
Week 10	Sampling techniques 1	
Week 11	Sampling techniques 2	
Week 12	Ethical Issues in research	
Week 13	Proposal draft submission and discussion	
Week 15	final proposal draft submission	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Learn to write a good research question, hypothesis and aims.	20%	
Consider various research methodologies to test the research question, and understand the advantages and disadvantages of each.	20%	
Know the different analytical techniques to evaluate the research question	10%	
Understand the importance of sample size in clinical research.	10%	
Learn techniques of data gathering.	10%	
Understand the different ethical issues in medical research	10%	
Learn how to read and write the literature relevant to the research question and identify the gap of knowledge.	20%	

Relationship to Program Student Outcomes (Out of 100%)					
A	B	C	D	E	F

Evaluation	
Assessment Tool	Weight
Assignment 1	15%
Assignment 2	5%
Test	20%
First proposal draft	40%
Final proposal draft	20%

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