



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

LM707 Independent Study

Second Semester 2023-2024

**Course Catalog**

3 Credit Hours. This 3-credit course aims to teach graduate students effective review article writing techniques, principles, manuscript format, peer review, and ethical issues.

**Teaching Method:** On Campus

**Text Book**

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

**Instructor**

Name	Dr. Suhaila Shboul
Office Location	# 20
Office Hours	
Email	sashboul@just.edu.jo

**Class Schedule & Room**

Section 1:  
Lecture Time: Mon : 13:00 - 16:00  
Room: U

**Tentative List of Topics Covered**

Weeks	Topic	References
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Week 1	Research Overview	
Week 2	Research Proposal	
Week 3	Critique of previous proposals	
Week 4	Formulating research question	
Week 5	Discussion of the first assignment	
Week 6	Writing the literature review	
Week 7	Research types and variables	
Week 8	Research questionnaire	
Week 9	Questionnaire assignment discussion	
Week 10	Sampling techniques 1	
Week 11	Sampling techniques 2	
Week 12	Ethical issues in research	
Week 13	Submission and revision of the first research proposal draft	
Week 14	Revision and submission of the final draft	

<b>Mapping of Course Outcomes to Program Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
Be able to read, analyze, and interpret scientific publications	10%	
Be able to identify areas of science requiring further investigations	10%	
Be able to choose a valid topic of scientific research	10%	
Be able to write a proper research proposal	30%	
Be able to define key research concepts and terms, differentiate between hypothesis types and study designs, utilize appropriate sampling strategies, and utilize valid and reliable research instruments	40%	

<b>Relationship to Program Student Outcomes (Out of 100%)</b>											
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	MSLO1	MSLO2	MSLO3	MSLO4	MSLO5	MSLO6

<b>Evaluation</b>	
<b>Assessment Tool</b>	<b>Weight</b>
Assignment 1	15%
Assignment 2	5%
Test	20%

First proposal draft	40%
Final proposal draft	20%

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