



**Jordan University of Science and Technology**  
**Faculty of Pharmacy**  
**Pharmacy Department**

PHAR787 Research Ethics - JNQF Level: 6

First Semester 2023-2024

**Course Catalog**

3 Credit Hours. This is a 3-unit summer course to provide the introduction to responsible conduct in research (RCR) and research ethics. It covers all NIH-recommended topics through in-class interactive learning, discussing case studies and applications to real-life ethical challenges in research. It is taught by 4 multidisciplinary faculty with expertise in research ethics.

**Teaching Method:** Blended

**Text Book**

<b>Title</b>	The Oxford Handbook of Research Ethics
<b>Author(s)</b>	Ana S. Iltis
<b>Edition</b>	2nd Edition
<b>Short Name</b>	Textbook1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Textbook 2	Ethics in Research: Principles and Practical Considerations	Lorella Congiunti	2nd Edition	

**Instructor**

<b>Name</b>	<b>Prof. Omar Khabour</b>
<b>Office Location</b>	M5 L0 Office 5
<b>Office Hours</b>	Sun : 08:00 - 09:30 Mon : 08:00 - 09:30 Tue : 08:00 - 09:00 Wed : 15:00 - 16:00 Thu : 13:00 - 14:30
<b>Email</b>	khabour@just.edu.jo

**Class Schedule & Room**

Section 1:  
 Lecture Time: Sun : 15:00 - 16:30  
 Room: LAB

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction	
Week 2	History of Responsible Conduct of Research and protection of human subjects	From <b>Textbook1</b>
Week 3	Moral theories, Critical thinking	From <b>Textbook1</b>
Week 4	Privacy and Confidentiality	From <b>Textbook 2</b>
Week 5	Animal Subjects and IRB	From <b>Textbook 2</b>

Week 6	Ethics in Epidemiology and Public Health	From <b>Textbook 2</b>
Week 7	Research Misconduct and Conflict and Interest	From <b>Textbook 2</b>
Week 8	Data management, Social responsibility	From <b>Textbook 2</b>
Week 9	Authorship, Peer Review, publication	From <b>Textbook1</b>
Week 10	Statistical Analyses	From <b>Textbook 2</b>
Week 11	AI and Ethics/ Ethics of Patent Law	From <b>Textbook1</b>
Week 12	International Collaboration, Mentoring, safe research environment	From <b>Textbook 2</b>
Week 13	Scientific Rigor and Reproducibility,	From <b>Textbook 2</b>
Week 14	Final Presentations of Case studies	
Week 15	Final Presentations of Case studies	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Have a positive disposition toward continued learning about research ethics [1PLO1.1, 1PLO3.1] [1L6K1, 1L6K2]	25%	Mid-term, Final Exam
Know rules, issues, options, and resources for research ethics [1PLO2.1, 1PLO3.4, 1PLO3.5] [1L6K1, 1L6S2]	25%	Mid-term, Final Exam
Appropriately reference theory and historical cases to address ethical challenges in research [1PLO4.1, 1PLO4.4] [1L6C3, 1L6C5]	25%	Mid-term, Final Exam
Understand the purpose and value of ethical decision-making [1PLO4.3] [1L6C3]	25%	Mid-term, Final Exam

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO3.2	PLO3.3	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1
12.5	8.33						12.5	8.33	8.33		12.5		25	12.5	

Relationship to NQF Outcomes (Out of 100%)				
L6K1	L6K2	L6S2	L6C3	L6C5
25	12.5	12.5	37.5	12.5

Evaluation	
Assessment Tool	Weight
Mid-term	50%
Final Exam	50%

Policy	
Attendance	JUST policy requires faculty to assign a grade of ZERO if a student misses 20% of the classes. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.
Integrity	Plagiarism and any other form of academic misconduct will not be tolerated and will lead to expulsion from the program

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