



Jordan University of Science and Technology
Faculty of Pharmacy
Pharmacy Department

PHAR902 Scientific Writing - JNQF Level: 10

First Semester 2024-2025

Course Catalog

3 Credit Hours. This course is designed to equip PhD students in pharmacy with essential skills for scientific writing. It focuses on understanding and applying effective strategies for producing clear, concise, and persuasive scientific documents. Students will learn to craft research papers, theses, literature reviews, and grant proposals specific to pharmaceutical sciences, with an emphasis on precision, ethics, and adherence to scholarly standards.

Teaching Method: On Campus

Text Book

Title	Research Methodologies and Scientific Writing
Author(s)	C. George Thomas
Edition	2nd Edition
Short Name	Ref # 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref # 2	The Craft of Scientific Writing	Michael Alley	4th Edition	
Ref # 3	Handbook of Research Ethics and Scientific Integrity	Ron Iphofen	1st Edition	

Instructor

Name	Prof. Tareq Mukattash
Office Location	P1L1
Office Hours	
Email	tlmukattash@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Wed : 13:00 - 16:00

Room: قاعة الكندي/صيدلة

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Course Introduction and Overview of Scientific Writing	From Ref # 1 , From Ref # 2
Week 2	Understanding the Structure of Scientific Papers	From Ref # 1 , From Ref # 2
Week 3	Writing the Title and Abstract	From Ref # 1
Week 4	Writing the Introduction	From Ref # 1
Week 5	Writing the Methods section	From Ref # 1
Week 6	Writing the Results section	From Ref # 1
Week 7	Writing the Discussion section	From Ref # 1
Week 8	Citations, references and avoiding plagiarism	From Ref # 1 , From Ref # 2
Week 9	Writing review articles and literature reviews	From Ref # 1 , From Ref # 2
Week 10	Grant writing basics	From Ref # 2
Week 11	Writing for general audiences (Translational writing)	From Ref # 2
Week 12	Editing and proofreading techniques	From Ref # 1
Week 13	Ethical issues and authorship in scientific writing	From Ref # 3
Week 14	Preparing for publication	From Ref # 1 , From Ref # 3

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Develop a comprehensive understanding of the scientific writing process. [1PhD-PLO1] [1L10K1]	15%	
Synthesize complex scientific ideas into clear, well-structured, and logically coherent documents. [1PhD-PLO4] [1L10S1, 1L10C1]	25%	
Demonstrate the ability to critically analyze and edit scientific content to ensure accuracy, clarity, and impact. [1PhD-PLO2] [1L10S2, 1L10C4]	15%	
Integrate ethical principles and best practices in the preparation and dissemination of scientific research. [1PhD-PLO5] [1L10S1]	15%	

Master the formats, standards, and conventions of diverse scientific documents pertinent to the field of study. [1PhD-PLO1] [1L10K1]	30%	
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Relationship to Program Student Outcomes (Out of 100%)					
PhD-PLO1	PhD-PLO2	PhD-PLO3	PhD-PLO4	PhD-PLO5	PhD-PLO6
45	15		25	15	

Relationship to NQF Outcomes (Out of 100%)				
L10K1	L10S1	L10S2	L10C1	L10C4
45	27.5	7.5	12.5	7.5

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