



Jordan University of Science and Technology
Faculty of Science & Arts
Biotechnology & Genetic Engineering Department

BT391 Scientific Writing And Presentation - JNQF Level: 7

Second Semester 2023-2024

Course Catalog

1 Credit Hours. A course designed to give undergraduate students the skills necessary to write a reports and manuscripts, and to prepare other professional materials for presentation or publication. Topics covered in this course include: searching the scientific literature; scientific writing style; writing reports, manuscript, proposals, and projects; preparing scientific presentations; presentation of data; using visual aids; and using word processing, spreadsheet, and presentation software.

Teaching Method: On Campus

Text Book

Title	Writing Papers in the Biological Sciences
Author(s)	Victoria E. McMillan
Edition	7th Edition
Short Name	Text Book
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Reference	A Student Handbook for Writing in Biology	Karin Knisely	5th Edition	

Instructor

Name	Prof. Nisreen Al-Quraan
Office Location	PH1-L0
Office Hours	
Email	naquraan@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Thu : 08:30 - 09:30

Room: SF06

Prerequisites

Line Number	Course Name	Prerequisite Type
962300	BT230 Basic Biotechnology	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	General course rules, course outline, evaluation and exams	
Week 2	Locating and Using Biological Literature	chapter 1 From Text Book
Week 3	Handling Data and Using Statistics	chapter 2 From Text Book
Week 4	Using Tables and Figures	chapter 3 From Text Book
Week 5	Writing lab Reports and Research Papers	chapter 4 From Text Book
Week 6	Writing a Review Paper	chapter 5 From Text Book
Week 7	Documenting the Paper- part 1	chapter 6 From Text Book
Week 8	Documenting the Paper- part 2	chapter 6 From Text Book
Week 9	Drafting and Revising	chapter 7 From Text Book
Week 10	Preparing the Final Draft	chapter 8 From Text Book
Week 11	Using Writing to Prepare for Examinations	chapter 9 From Text Book
Week 12	Research talk Presentation	chapter 10 From Text Book
Week 13	CV writing and formal letters	chapter 12 From Text Book
Week 14	Preparing poster presentation	Chapter 11 From Text Book

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Learn and understand the Mechanisms of Locating and Using Biological Literature, Handling Data and Using Tables, Figures and Statistics. [1SLO1, 1SLO4] [1L7K1, 1L7S1]	30%	
Explain and use strategies of scientific writing for preparing to write a report, manuscript and review articles and the format of citing and listing references. [1SLO1, 1SLO4] [1L7K1, 1L7S1]	30%	

Discuss the process of Drafting and Revising, Preparing the Final Draft, Using Writing to Prepare for Examinations and preparation strategies for successful oral Research talk Presentation, C.V writing and poster presentation. [1SLO1, 1SLO4] [1L7K1, 1L7S3, 1L7C3]	40%	
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Relationship to Program Student Outcomes (Out of 100%)					
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
50			50		

Relationship to NQF Outcomes (Out of 100%)			
L7K1	L7S1	L7S3	L7C3
43.33	30	13.33	13.33

Evaluation	
Assessment Tool	Weight
Poster	20%
Midterm Exam	30%
Final Exam	40%
Presentation	10%

Policy	
Attendance	Students are expected to attend classes and any absences - whenever possible- should be discussed with the instructor in advance. Class attendance will be taken in the lecture.
Policy on academic dishonesty and Make-up examinations	JUST regulations and rules will be strictly implemented. Refer to University's student information book for more details about exams, exam make up and absence rules; If you are absent from one or more of your examinations for medical or other reasons, you must provide documentary evidence to justify your absence for the consideration of a make up exam within one week or else no make up exam will be permitted
Evaluation	Assignments 10% Quizzes 10% Midterm Exam 30% Final Exam 50% Total 100%
Assignment handling	Assignments should be handled on TIME. Late assignment handling will not be accepted under any circumstances.
Cell phones	Cell phones must be switched off in the class. A student that receives a phone call/sends/receives messages will be asked to leave the class and will be marked absent from the lecture.