



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Network Engineering And Security Department

NES780 Seminar In Network Engineering And Security - JNQF Level: 9

Second Semester 2023-2024

Course Catalog

1 Credit Hours. The course investigates the latest advances in network engineering and security. It requires students to convert written research articles and technical material into a persuasive oral presentation. Students are expected to engage in an iterative process of studying, critically analyzing and discussing, summarizing, and presenting selected research articles and topics.

Teaching Method: On Campus

Text Book

Title	How to Write a Good Scientific Paper
Author(s)	Chris A. Mack
Edition	1st Edition
Short Name	Ref #1
Other Information	SPIE 2018

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	The Craft of Scientific Presentations	Michael Alley	2nd Edition	Springer 2013

Instructor

Name	Dr. Moad Mowafi
Office Location	E1L3
Office Hours	Sun : 12:00 - 13:00 Mon : 11:00 - 13:00 Tue : 11:00 - 13:00 Wed : 11:00 - 13:00 Thu : 11:00 - 13:00
Email	mowafi@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun : 11:00 - 12:00 Room: NES01-E1L3

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction	
Weeks 2, 3, 4	Reading and Analyzing Papers	
Weeks 5, 6	Research Ethics	
Weeks 7, 8, 9	Writing a Scientific Paper	
Weeks 10, 11, 12	Giving a Scientific Presentation	
Weeks 13, 14, 15	Student Presentations	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Examine best practices and implement them for designing, developing, and presenting a quality scientific presentation. [1MSO3] [1L9C2]	30%	Presentation 1, Presentation 2
Communicate research concepts and contexts clearly and effectively both in writing and orally. [1MSO3] [1L9C3]	20%	Project Proposal, Presentation 1, Presentation 2
Understand and apply ethical standards of conduct in the collection and evaluation of data and other resources. [1MSO6] [1L9C2]	20%	Project Proposal
Analyze and evaluate information presented in technical and/or scientific journals. [1MSO6] [1L9C5]	30%	Paper Analysis

Relationship to Program Student Outcomes (Out of 100%)													
SO1	SO2	SO3	SO4	SO5	SO6	SO7	MSO1	MSO2	MSO3	MSO4	MSO5	MSO6	MSO7
									50			50	

Relationship to NQF Outcomes (Out of 100%)		
L9C2	L9C3	L9C5
50	20	30

Evaluation	
Assessment Tool	Weight

Paper Analysis	30%
Project Proposal	30%
Presentation 1	20%
Presentation 2	20%

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