



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Radiologic Technology Department

RA791 Advanced Management In Medical Sciences - JNQF Level: 9

Second Semester 2022-2023

Course Catalog

2 Credit Hours. This course explores advanced management principles and leadership strategies tailored for healthcare and medical science organizations. It covers topics such as strategic planning, healthcare operations, financial management, human resources, quality assurance, and project management within medical settings. Special emphasis is placed on navigating challenges unique to medical sciences, including regulatory compliance, risk management, and technological integration. Students will engage with case studies and real-world scenarios to develop problem-solving skills, fostering their ability to manage multidisciplinary teams effectively. The course also highlights the importance of ethical leadership, evidence-based decision-making, and innovation in enhancing healthcare outcomes and organizational efficiency. By the end of the course, students will be prepared to assume leadership roles, driving excellence in medical science institutions through sound management practices.

Teaching Method: On Campus

Text Book

Title	Essentials of Healthcare Management: Cases, Concepts, and Skills
Author(s)	Leigh Cellucci, Michael Meacham, and Tracy Farnsworth.
Edition	2nd Edition
Short Name	Textbook
Other Information	

Instructor

Name	Prof. Khalaf Al-Masaid
Office Location	M5 L4
Office Hours	
Email	khalaf@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Tue : 11:30 - 13:30

Room: N4205

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to Healthcare and Medical Sciences Management	Textbook From Textbook
Week 2	Strategic Planning and Leadership in Medical Organizations	From Textbook
Week 3	Healthcare Operations Management	From Textbook
Week 4	Financial Management in Medical Sciences	From Textbook
Week 5	Human Resources Management in Healthcare	From Textbook
Week 6	Quality Management and Accreditation Standards	From Textbook
Week 7	Risk Management and Legal Compliance	From Textbook
Week 8	Health Information Systems and Digital Transformation	From Textbook
Week 9	Innovation and Change Management in Healthcare	From Textbook
Week 10	Healthcare Marketing and Communication Strategies	From Textbook
Week 11	Ethical and Social Responsibility in Medical Sciences	From Textbook
Week 12	Project Management in Healthcare	From Textbook
Week 13	Multidisciplinary Collaboration and Teamwork	From Textbook
Week 14	Future Trends and Course Wrap-Up	From Textbook
Week 15	Revision	From Textbook
Week 16	Final Exam	From Textbook

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Utilize management frameworks and strategies specific to medical and healthcare organizations. [1PLO M7] [1L9C1]	20%	
Assess the impact of healthcare policies, regulations, and reforms on organizational performance. [1PLO M4] [1L9K2]	20%	
Demonstrate effective leadership, critical thinking, and problem-solving in complex healthcare scenarios. [1PLO M6] [1L9C3]	20%	
Optimize financial, human, and technological resources for efficient healthcare delivery. [1PLO M2] [1L9S2]	20%	
Address ethical challenges and promote professionalism in managing medical sciences organizations. [1PLO M4] [1L9C4]	20%	

Relationship to Program Student Outcomes (Out of 100%)						
PLO M1	PLO M2	PLO M3	PLO M4	PLO M5	PLO M6	PLO M7
	20		40		20	20

Relationship to NQF Outcomes (Out of 100%)				
L9K2	L9S2	L9C1	L9C3	L9C4
20	20	20	20	20

Evaluation	
Assessment Tool	Weight
mid-term exam	50%

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