



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

RA799B Master Thesis

First Semester 2024-2025

Course Catalog

6 Credit Hours. In this subject, with the assistance of a supervisor, students undertake independent research implementing the proposal approved in Health Masters Proposal.

Teaching Method: On Campus

Text Book

Title	Research Design: Qualitative, Quantitative, and Mixed Methods Approaches
Author(s)	John W. Creswell
Edition	5th Edition
Short Name	1
Other Information	

Class Schedule & Room

Section 1:
Lecture Time: U : -
Room:

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to Research in Radiology Technology	From 1
Week 2	Identifying Research Topics	From 1
Week 3	Research Design and Methodology	From 1
Week 4	Ethical Considerations in Research	From 1

Week 5	Data Collection Techniques	From 1
Week 6	Statistical Analysis in Radiology Research	From 1
Week 7	Writing the Thesis Proposal	From 1
Week 8	Literature Review Strategies	From 1
Week 9	Results and Discussion	From 1
Week 10	Thesis Formatting and Presentation	From 1
Week 11	Preparing for Publication	From 1
Week 12	Future Directions and Trends in Radiology Research	From 1

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Execute the research proposal by applying advanced methodologies and gathering relevant data.	20%	
Use appropriate tools to analyze data and derive meaningful insights aligned with research objectives.	20%	
Integrate findings with existing literature to draw valid conclusions and address research questions.	20%	
Write a comprehensive, well-structured thesis following academic and institutional standards.	20%	
Present and defend research findings before an academic committee, demonstrating depth of knowledge and critical thinking.	20%	

Relationship to Program Student Outcomes (Out of 100%)													
PLO B1	PLO B2	PLO B3	PLO B4	PLO B5	PLO B6	PLO B7	PLO M1	PLO M2	PLO M3	PLO M4	PLO M5	PLO M6	PLO M7

Evaluation	
Assessment Tool	Weight
final exam	100%

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