



Jordan University of Science and Technology
Faculty of Dentistry
Dental Surgery Department

DENT513 Research Project - JNQF Level: 7
First Semester 2024-2025

Course Catalog
<p>2 Credit Hours. Dent 513 course, is a course given by the department of oral medicine and oral surgery for fifth year dental students . The course prepares students to acquire the basic knowledge and the primary skills in relation to conducting research in biomedical/dental fields and writing up a scientific publishable paper. In the practical part of the course, students are divided into groups. The supervisor guides the students into selecting a topic of interest and guides them to a research question. Students will develop a certain hypothesis and in a timely manner provided with data needed. In each weekly meeting, the faculty member will give a brief information (discussion or presentation format) about the requirements of each section of the paper to be written. These meetings are conducted in person. Furthermore, students will be provided with some feedback regarding their weekly task. By the end of the semester, students are required to submit a final coherent manuscript. The manuscript should include all the elements of a research paper (abstract, introduction, literature review, materials and methods, results, discussion, conclusion and references). The students will be evaluated in groups for every step they perform in the conduction of the project and for the final manuscript that they submit. In addition, the students will be evaluated individually through an online examination on the elements of research paper and abstract and on the basic principles and design of research. Moreover, there will an individual evaluation on the contribution of each student to the overall work.</p>
<p>Teaching Method: Blended</p>

Text Book	
Title	Clinical Epidemiology: The Essentials, Sixth Edition
Author(s)	Grant S.Fletcher
Edition	6th Edition
Short Name	clinical epidemiology
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
CR	Designing Clinical Research	Stephen Hulley, Steven Cummings, Warren Browner, Deborah Grady, Thomas Newman	4th Edition	

Instructor	
Name	Dr. Duaa Almegbil
Office Location	-
Office Hours	
Email	dtalmegbil@just.edu.jo

Class Schedule & Room
<p>Section 1: Lecture Time: Wed : 19:00 - 20:00 مزامن الحضور منصة الكترونية</p>

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify the basic steps involved in the scientific research process. [104.1 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7K1]	10%	
Describe the main components of scientific papers. [104.1 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7K1]	5%	
Develop a limited skill of scientific writing. [103.5 Responsibility, Communication, Professionalism and Ethics] [1L7C3]	5%	
Increase students participation in dental and biomedical research. [204.3 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7C2, 1L7C3]	20%	
Learning the meaning of confounding factors and bias. learning how to eliminate them [14.1 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7K1]	10%	
learning the different types of research designs [14.1 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7K1]	20%	
Learning the importance of citation and referencing during practical counterpart of the course [203.5 Responsibility, Communication, Professionalism and Ethics] [1L7C3]	10%	
learning about measurements, frequency and diagnosis in research [14.1 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7K1]	20%	

Relationship to Program Student Outcomes (Out of 100%)													
1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowlege and Cognitive Skills	1.4 Scientific Knowledge and Cognitive Skills	1.5 Scientific Knowledge and Cognitive Skills	1.6 Scientific Knowledge and Cognitive Skills	1.7 Scientific Knowledge and Cognitive Skills	2.1 Person Centered Care	2.2 Person Centered Care	2.3 Person Centered Care	2.4 Person Centered Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication Professionalisr and Ethics

Relationship to NQF Outcomes (Out of 100%)		
L7K1	L7C2	L7C3
65	10	25

Evaluation	
Assessment Tool	Weight
midterm	40%
final	60%

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