



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

DENT718 Current Topics In Restorative Dentistry - JNQF Level: 9

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course consists of many seminars that will provide the students with the current evidence and up to date literature related to all domains of restorative dentistry in form of literature review sessions. It covers the surgical and prosthetic phases of implant placement, the current options for treatment of endodontically treated teeth, the clinical considerations of adhesive dentistry, the biomimetic aspects of Restorative Dentistry. In addition to the recent advancements in digital impressions and intraoral scanners, CAD/CAM Technology in and 3 D printing in Restorative Dentistry.

Teaching Method: Blended

Course References

Short name	Book name	Author(s)	Edition	Other Information
Prosthodontics	Implant Prosthodontics: Protocols and Techniques for Fixed Implant Restorations	Todd R. Schoenbaum	1st Edition	
Papers	Selection of review and clinical journal papers	Multiple authors	1st Edition	

Instructor

Name	Dr. Ghada Maghaireh
Office Location	234
Office Hours	
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Class Schedule & Room

Section 1:
 Lecture Time: Sun : 13:00 - 14:00
 Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	Implants (surgical part):	From Prosthodontics
Weeks 3, 4	Implants (prosthetic part):	From Prosthodontics
Week 5	Advancements in the restorations of endodontically treated teeth	From Papers
Week 6	Try in of crowns and bridges: problems and solutions	From Papers
Week 8	Biomimetic Aspects of Restorative Dentistry	From Papers
Week 9	Gingivectomy and crown lengthening	From Papers
Week 10	Digital Impressions and Intraoral scanners	From Papers
Week 11	CAD/CAM Technology in Restorative Dentistry	From Papers
Week 12	An update on the microorganisms of the Endodontic space	From Papers
Week 13	3 D printing in Restorative Dentistry	From Papers
Week 13	3 D printing in Restorative Dentistry	From Papers
Week 14	Adhesive dentistry: Current concepts and clinical considerations	From Papers
Week 15	Description of the color, color-replication process, esthetics, and shade selection	From Papers
Week 16	Final exam	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Obtain advanced knowledge in osseointegration and biomechanics of dental implants and recognizing the phases of planning and restoration of single implants. [1PLO_9K3] [1L9K3]	20%	Midterm
Evaluate the relevant dental literature about the current concepts and clinical considerations in adhesive dentistry and biomimetic materials in Restorative Dentistry. [1PLO_9K2] [1L9K2]	10%	Midterm
Obtain updated information on ways of trying in of crowns and bridges: problems and solutions. [1PLO_9C1] [1L9C1]	10%	Midterm

Obtain updated information about the rationale and methods of gingivectomy and crown lengthening with special emphasis on esthetic considerations in Restorative Dentistry. [1PLO_9C1] [1L9C1]	10%	
Develop up-to-date knowledge about digital impressions and intraoral scanners, CAD/CAM Technology in Restorative Dentistry and 3 D printing in Restorative Dentistry. [1PLO_9C1] [1L9C1]	20%	Assignment and oral presentations, Final written exam
Justify the choice of treatment options of restoration of endodontically-treated teeth based on the current literature. [1PLO_9C6.1] [1L9C6]	10%	Final written exam
Interpret the current literature on some endodontic issues. [1PLO_9C6.1] [1L9C6]	10%	Final written exam
Appraise the importance of defining the color elements in Restorative Dentistry and selection of shade. [1PLO_9K2] [1L9K2]	10%	Final written exam

1.1 Scientific Knowledge and Cognitive Skills	1.2 Scientific Knowledge and Cognitive Skills	1.3 Scientific Knowledge 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-Centred Care	2.2 Person-Centred Care	2.3 Person-Centred Care	2.4 Person-Centred Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics

Relationship to NQF Outcomes (Out of 100%)			
L9K2	L9K3	L9C1	L9C6
20	20	40	20

Evaluation	
Assessment Tool	Weight
Midterm	40%
Assignment and oral presentations	10%
Final written exam	50%

Policy	
Exams	All exams (midterm and final) are closed book and notes. The final exam is comprehensive (covers all the material). Incomplete exams need approval from the dean.
Cheating	Prohibited, and in case of cheating the student will be subject to punishment according to the university regulations.
Attendance	Students who do not attend >20% of the seminars will be expelled from the course.
Participation	Highly encouraged. Lectures and clinical work will be delivered in a very interactive method to substantiate student's role in thinking and innovating.
Withdraw	According to university's terms and conditions.

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