



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

DENT540 Aesthetic Dentistry - JNQF Level: 7
Second Semester 2022-2023

Course Catalog
1 Credit Hours. This course equips final year BDS students with a solid up-to-date knowledge and techniques to establish and improve the aesthetic restorative side of their career. The following areas are covered in this course: Basics of smile analysis and smile design; Digital photography; Minimal invasive dental procedures; Direct anterior aesthetic restorative treatment; Indirect aesthetic restorative treatment; Ceramic veneers treatment; Resin bonded bridges

Text Book	
Title	Essentials of Esthetic Dentistry: Principles and Practice of Esthetic Dentistry, Volume one
Author(s)	Brian J Millar and Naim Wilson
Edition	1st Edition
Short Name	Ref 1
Other Information	2015 Elsevier

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Essentials of Esthetic Dentistry: Smile Design Integrating Esthetics and Function, Volume two	Jonathan B. Levine	1st Edition	2016 Elsevier
Ref 3	Color in Dentistry: A Clinical Guide to Predictable Esthetics	Stephen J. Chu, Rade D. Paravina, Irena Sailer and Adam J. Mielezsko	1st Edition	2017 Quintessence Publishing
Ref 4	Esthetic and restorative dentistry: Material selection and techniques	Douglas Terry and Willi Geller	3rd Edition	2018 Quintessence Publishing

Instructor	
Name	Dr. Abdelrahman Badarneh
Office Location	Irbid Dental Teaching Centre L2
Office Hours	
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Class Schedule & Room
Section 1: Lecture Time: Wed : 13:00 - 14:00 Room: NG76

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction to Aesthetic Dentistry	From Ref 1
Weeks 2, 3	Aesthetic Analysis and Smile Design I and II	From Ref 1, From Ref 2
Week 4	Dental Photography: The art and practice	From Ref 2, From Ref 3
Week 5	Fundamentals of colour and shade selection	From Ref 3
Week 6	History, examination, and treatment planning	From Ref 1, From Ref 2, From Ref 4
Week 7	Composite Resin Layering for improving anterior teeth aesthetics	From Ref 1, From Ref 2, From Ref 4
Week 8	Minimally invasive aesthetic procedures	From Ref 1, From Ref 4
Week 9	Indirect aesthetic restorative materials	From Ref 4

Weeks 10, 11	Ceramic Veneers I and II	From Ref 1, From Ref 2, From Ref 3, From Ref 4
Week 12	Techniques for intra-coronal, partial coverage, and Endo-crown indirect restorations	From Ref 4
Week 13	Resin Bonded bridges (RBBs)	From Ref 1, From Ref 2

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify dental, facial, and periodontal aesthetic landmarks/features and guidelines [101.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	Mid Exam, Final Exam
Describe significance of the science of colour, shade and texture, in planning, communication, and executing the treatment plan [51.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	5%	Mid Exam
Describe the up-to-date clinical and laboratory procedures and techniques involved in the presented aesthetic treatment modalities [151.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S2]	15%	Mid Exam, Final Exam
Explain the rational of the clinical and laboratory procedures and techniques, predicting its significance and limitations in terms of producing aesthetic and functional harmony [151.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S2]	15%	Mid Exam, Final Exam
Describe the materials and techniques used in the presented aesthetic treatment modalities and their applications and limitations [101.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	10%	Mid Exam, Final Exam
Explain the success, survival, and maintenance of the presented aesthetic treatment modalities [51.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	5%	Mid Exam, Final Exam
Interpret the patients' needs and demands with accommodating them in the overall treatment [102.1 Person-Centred Care] [1L7S1, 1L7S2, 1L7S3, 1L7C4]	10%	Mid Exam, Final Exam
Develop facial and dental analysis skills and strategies, to design execute, and produce highly-aesthetic-natural smile [202.1 Person-Centred Care] [1L7S1, 1L7S2, 1L7S3, 1L7C4]	20%	Mid Exam, Final Exam
Develop a sense of awareness and responsibility toward using minimally invasive dentistry for managing/improving [52.3 Person-Centred Care] [1L7K1]	5%	Final Exam
Develop effective shade communication skills through written and photographic form in precise and concise manner to maximize the success of the treatment [53.1 Responsibility, Communication, Professionalism and Ethics] [1L7C2, 1L7C4]	5%	Mid Exam, Final Exam

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 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
	15	30	15				30		5		5		

Relationship to NQF Outcomes (Out of 100%)					
L7K1	L7S1	L7S2	L7S3	L7C2	L7C4
50	7.5	22.5	7.5	2.5	10

Evaluation	
Assessment Tool	Weight
Mid Exam	40%
Final Exam	60%

Policy	
Exams	- Online MCQs and OSPE - All exams are closed book and notes and are clinically oriented. - Incomplete exams are applicable when an acceptable and valid excuse is presented at the applicable time
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to JUST regulations
Attendance	Mandatory for ALL lectures
Participation	Students are highly encouraged to participate in the classes
Withdraw	University regulations apply