

1	Course title	<i>Aesthetic Dentistry</i>
2	Course number	1302724
3	Credit hours (theory, practical)	2 hrs (theory)
	Contact hours (theory, practical)	2 hrs (theory)/ week
4	Prerequisites/co requisites	
5	Program title	MSc in Fixed & Removable Prosthodontics
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	School of Dentistry
9	Department	Department of Conservative Dentistry & Department of Removable Prosthodontics
10	Level of course	Masters
11	Year of study and semester (s)	3 rd year
12	Final Qualification	MSc
13	Other department (s) involved in teaching the course	Department of Conservative Dentistry & Department of Removable Prosthodontics
14	Language of Instruction	English
15	Date of production/revision	January 2018

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Prof. Shammari

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Dr. Susan Hattar, office hours: Mon.12-2, Ext 23552, Email: s.hattar@ju.edu.jo

Prof. Fouad Kathem, office hours: Sun.11-12, Tue: 12-1, Ext 23552, E-mail: fouadk@ju.edu.jo

Dr Firas Shaini, office hours: Sun:12-2, phone: 23552, Email: f.shaini@ju.edu.jo

Prof. Ameen Khraisat, E-mail: a.khraisat@ju.edu.jo

Dr. Sandra AlTarawneh E-mail: s.altarawneh@ju.edu.jo

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Prof.Ahmad Hamdan Email:hamdan-a@ju.edu.jo

Prof.Awni AlKayed Email:amkayed48@hotmail.com

18. Course Description:**Intended Learning Outcomes (ILOs):**

- 1) Gain in depth knowledge of aesthetics in relation to function.
- 2) Acquire full understanding of adhesion and direct aesthetic restorations.
- 3) Integrate the concepts of aesthetic dentistry, dental material, and occlusion to the holistic approach to cases of tooth wear or discoloration of teeth.
- 4) Gain in depth understanding of all ceramic systems and the selection criteria of the available options.
- 5) Understand direct and indirect veneers as well as smile design concepts.
- 6) Understand the special considerations of implant in the aesthetic zone.
- 7) Understand the role of aesthetic dentistry in orthognathic cases.
- 8) Understand the challenges of managing aesthetic failures.

As stated in the approved study plan.

This course provides basic aesthetic considerations in operative Dentistry, focuses on colour, discusses tooth coloured direct and indirect restorations, adhesion theories, and adhesive restorations, treatment of discoloured teeth or teeth with anomalies by simple or complex interventions.

19. Course aims and outcomes:**Aims:**

To become familiar with basic and advanced concepts in aesthetic and adhesive dentistry and utilize that knowledge for treatment of simple and advanced cases with aesthetic needs.

20. Topic Outline and Schedule:

Seminar No.	Topic	Supervisor	Achieved ILOs	Evaluation Method	Reference
1	Aesthetics and its relation to function <ul style="list-style-type: none"> • Terminology and scopes of aesthetics dentistry • Anatomy • The principles of color • The principles of form 	Dr. M. Rababah		22	25
2	Principles and practice of adhesion <ul style="list-style-type: none"> - Adhesion to enamel and dentine - Adhesion to ceramics - Adhesion to metals - Adhesions to fiber post and fiber - Reinforced composite 	Prof. F. Al Shammari		22	25

3	Composite resin restorations “clinical practice” <ul style="list-style-type: none"> • Anterior composite • Posterior composite 	Prof. F. Al Shammari		22	25
4	Management of discolored teeth <ul style="list-style-type: none"> • Bleaching: external, internal • Micro abrasions • Alternative treatments 	Prof. A. Kayed		22	25
5	Choice of all-ceramic systems <ul style="list-style-type: none"> • Rationale for all-ceramic restorations • Physical and mechanical preparations of ceramics • Uni-layer and Bi-layer all ceramic systems • Aetiology of fractures • Dental ceramic longevity • Metal –ceramic • Ceramic bridges • Clinical practice 	Dr. M. Rababah		22	25
6	Veneers <ul style="list-style-type: none"> • Composite veneers • Porcelain laminate veneers • Additional and non prep. Veneers 	Dr. S. Hattar		22	25
7	Smile design <ul style="list-style-type: none"> • Perception of an aesthetic smile • Gingival bio-type and biform • Tooth position and gingival progression • Lip analysis and smile line • Midline • Incisal length • Tooth shape and size • Inter-arch relations tips • Tooth character and texture • Tooth contour and misperception • Color of teeth 	Dr. M. Rababah		22	25
8	Current concepts on the management of tooth wear <ul style="list-style-type: none"> - Assessment treatment planning and strategies for the prevention and the passive management of tooth wear - Active restorative care: <ol style="list-style-type: none"> a. The management of localized tooth wear b. The management of generalized tooth wear <p>An overview of restorative techniques and dental materials commonly applied for the management of tooth wear</p>	Prof. F. Al Shammari		22	25
9	Aesthetics for partial and complete removal dentures	Prof. W. Amin		22	25
10	Implants in aesthetic zone	Dr. M.		22	25

		Rababah			
11	Biological impressions and tissue management <ul style="list-style-type: none"> - Scientific rationale - Secondary determinants <ul style="list-style-type: none"> a. Stock vs custom trays; inter vs intra-arch; closed vs open trays. b. One vs two stages; passive vs non passive c. Warm vs cold environments ; manual vs automated mixing. d. Physical vs chemical gingival retraction e. Impression materials - Primary determinants <ul style="list-style-type: none"> a. Patient factors “risk assessment” b. Operator factors - Clinical practice <ul style="list-style-type: none"> a. Dental biological impressions. b. Gingival biological impressions 	Prof. F. Al Shammri		22	25
12	Orthodontic and orthognathic-restorative interface	Prof. A. Hamdan		22	25
13	Management of aesthetics failures	Dr. M. Rababah		22	25
14	- Critical appraisal of selected dental literature	Dr. S. Hattar		22	25

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- **Seminar Sessions**

Seminars will be led by the faculty members listed in the course outline.

Every week a seminar of 2 hours is given to the students corresponding the designated topic.

Faculty members will distribute a number of “*Key Scientific Articles*” at least one week before the scheduled date of the seminar.

Each student will be responsible for reading and understanding all articles.

The seminar consists of a brief introduction of the subject (instructor), followed by a discussion of the most recent literature review.

Each student will be responsible for presenting one or two of the key articles during the seminar (10 – 15 min) and provide a typed and printed handout to everyone attending the seminar.

The seminar ends with an interactive discussion and exchange of ideas between students and staff members

22. Evaluation Methods and Course Requirements:

Evaluation:

- ***Evaluation:***

Student overall grade will be comprised of:

30% midterm written exam

- *15% seminar evaluation*
- *15% literature review*
- *40% final written exam*

23. Course Policies:

A- Attendance policies:

Seminar and clinic attendance is mandatory. However, 15% allowed absence is granted for students by the university law.

B- Absences from exams and handing in assignments on time:

A make up exam is allowed in cases where the students misses the exam due to an acceptable excuse, and the excuse is submitted in due time according to the university regulations.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

We follow the rules and regulations set by the University of Jordan.

E- Grading policy:

Student overall grade will be comprised of:

F- Available university services that support achievement in the course:

24. Required equipment:

Students are required to have:

- 1) Laptop

25. References:

A. Required book (s), assigned reading and audio-visals:

Bonded porcelain restorations in the anterior dentition: A biomimetic approach. Pascal Magne; Urs Belser. Quintessence publishing. 2002

B- Key Scientific articles and the most updated literature articles are given for each seminar (The topics covered in the seminars constitutes the main exam material)

26. Additional information:

Name of Course Coordinator:-Signature: ----- Date: ----- Head of
curriculum committee/Department: -----Signature: -----
Head of Department: - ----- - Signature: -----
Head of curriculum committee/Faculty: ----- Signature: -----
Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File