

1	Course title	Conservative Dentistry 3 – Theory
2	Course number	1302415
3	Credit hours (theory, practical)	1
	Contact hours (theory, practical)	15
4	Prerequisites/corequisites	
5	Program title	Doctor of Dental Surgery (DDS)
6	Program code	NA
7	Awarding institution	The University of Jordan
8	Faculty	School of Dentistry
9	Department	Department of Restorative Dentistry
10	Level of course	Bachelor
11	Year of study and semester (s)	Fourth year, first and second semesters 2022/2023
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	6/9/2022

#### 16. Course Coordinator:

**Name:** Prof. Ibrahim Abu-Tahun ,  
**Office number:** School of Dentistry,23552,  
**E-mail:** [ihtahun@yahoo.com](mailto:ihtahun@yahoo.com)  
**office hours:** .....

#### 17. Other instructors:

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

Dr.Ahmad Maaita, office hours.phone no.23552, E-mail:[a.maaita@ju.edu.jo](mailto:a.maaita@ju.edu.jo)  
 Dr Suzan Hattar, office hours: .Phone: 23552 , E-mail: [s.hattar@ju.edu.jo](mailto:s.hattar@ju.edu.jo)  
 Dr. Alaa Sabra, office hours: . Phone: 23552 , E-mail: [a.sabrah@ju.edu.jo](mailto:a.sabrah@ju.edu.jo)

Prof. Leena Smadi , Office hours: ..... phone: 23552, email: [l.smadi@ju.edu.jo](mailto:l.smadi@ju.edu.jo)  
 Dr. Alaa Haddad, office hours: ..... phone: 235520, email: [a.haddad@ju.edu.jo](mailto:a.haddad@ju.edu.jo)  
 Dr. Rawan Abu Ghazlan, office hours: ..... phone: 23552, email: [r.abuzaghlan@ju.edu.jo](mailto:r.abuzaghlan@ju.edu.jo)  
 Prof. Ibrahim Abu Tahun, office hours: ..... phone: 23552 email: [ihahun@yahoo.com](mailto:ihahun@yahoo.com)  
 Dr. Sari Mahasneh . Office hours: ..... phone: 23552 email: [s.mahasneh@ju.edu.jo](mailto:s.mahasneh@ju.edu.jo) ,  
 Prof. Awni Al Kayed office hours: ..... phone: 23552 email: [a.kayed@ju.edu.jo](mailto:a.kayed@ju.edu.jo)  
 Dr. Sanaa Jamaani. Office hours: ..... phone: 23552 email: [s.ajmani@ju.edu.jo](mailto:s.ajmani@ju.edu.jo)

## 18. Course Description:

*This course aims at introducing the student to clinical conservative dentistry through reviewing the basics and principles of conservative dentistry. It emphasizes the importance of case evaluation, diagnosis and developing treatment plan, considerable emphasis is given to new restorative procedures and related dental materials.*

## 19. Course aims and outcomes:

### A– Aims:

Course objectives are:

1. To emphasize the importance of accurate diagnosis and formulation of proper treatment plan
2. To consolidate knowledge of cavity preparation
3. To provide an understanding of pulpal and periapical pathology and methods of diagnosis
4. To introduce concepts of dental trauma, classification and management
5. To introduce concepts on the aetiological factors of non-carious lesions, prevention and management
6. To provide understanding of various aetiological factors of teeth discoloration and introduce different ways of management
7. To consolidate knowledge of occlusal recording in relation to restorative dentistry
8. To emphasize on periodontal considerations in relation to restorative dentistry
9. To introduce concepts of restoration of endodontically treated teeth.
10. To give insight on various methods of tooth bleaching procedures
11. To discuss in details the various types of all ceramic restorations
12. To provide knowledge on dental veneers

**B– Intended Learning Outcomes (ILOs):** Upon successful completion of this course students will be able to

...

### A) Knowledge and understanding (student should)

- A1) be able to discuss various factors related to carious and non-carious lesions
- A2) be able to explain bleaching and veneers as plausible dental treatment modalities
- A3) be able to discuss various aetiological factors related to teeth discoloration
- A4) be able to discuss the effect of trauma on teeth and periodontium
- A5) be able to recognize various pulpal and periapical diseases

### B) Intellectual skills < cognitive and analytical> (student should)

- B1) be able to diagnose of endodontic pathologies and differentiate the key factors of each
- B2) be able to analyze whether a restoration is needed and suggest the relative merits or demerits of possible restorative intervention

B3> be able to decide the appropriate clinical situation for the use of all ceramic restorations, and to acknowledge their advantages and limitations

### C) Subject specific skills (student should)

- C1) be able to perform appropriate cavity design in relation to disease, material and the patient
- C2) be able to deal with dental trauma and avulsion
- C3) be able to deal with non carious lesions, preventive and restorative measures
- C4) be able to deal with tooth discoloration, either using bleaching or veneer techniques
- C5) be able to take radiographs during root canal treatment under rubber-dam isolation
- C7) be able to restore endodontically treated teeth
- C8) to be able to restore teeth by all ceramic restorations

## 20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Diagnosis and treatment planning in conservative dentistry	1	Dr. Alaa	19 (B1, B2)	22 (1,2,3)	25 (1)
Clinical steps of cavity preparation I	2	Dr. Haddad	19 (C1)	22 (1,2,3)	25 (1)
Clinical steps of cavity preparation II	3	Dr. Haddad	19 (C1)	22 (1,2,3)	25 (1)
Endodontic diagnostic procedure I	4	Dr. Sari	19 (B1, B2, C5)	22 (1,2,3)	25 (3,4)
Endodontic diagnostic procedure II	5	Dr. Sari	19 (B1, B2, C5)	22 (1,2,3)	25 (3,4)
Diseases of the pulp organ	6	Dr. Sari	19 (A5)	22 (1,2,3)	25 (3,4)
Diseases of the periradicular tissues	7	Dr. Sari	19 (A5)	22 (1,2,3)	25 (3,4)
Discussion of clinical cases	8	Dr. Maaita	19 (A1,C1)	22 (1,2,3)	25 (1)
Local anesthesia in endodontics	9	Dr. Maaita	19 (C2)	22 (1,2,3)	25 (4,5)
Preventive endodontics-protecting the pulp	10	Dr. Maaita	19 (A1,B1)	22 (1,2,3)	25 (4)
Traumatic dental injuries I	11	Prof. Leena	19 (B1,C2)	22 (1,2,3)	25 (8)
Traumatic dental injuries II	12	Prof. Leena	19 (B1,C2)	22 (1,2,3)	25 (8)
Tooth resorption	13	Dr. Rawan	19 (C2)	22 (1,2,3)	25 (4,5)
Roots caries-	14	Dr. Rawan	19 (A1,C1)	22 (1,2,3)	25 (1)
Management of wide and open apex I	15	Prof..Ibrahim	19 (A4,B1,C2)	22 (1,2,3)	25 (3,4)
Management of wide and open apex II	16	Prof..Ibrahim	19 (A4,B1,C2)	22 (1,2,3)	25 (3,4)
Tooth discoloration; type, aetiology and clinical appearance	17	Prof. Awni	19 (A1)	22 (1,2,3)	25 (6,7)
Bleaching I	18	Prof. Awni			

Bleaching II	19	Prof. Awni			
Esthetic veneers part I : indications , contraindication and procedures	20	Prof. Susan	19 (B1,C1)	22 (1,2,3)	25 (6,7)
Esthetic veneers part II : indications , contraindication and procedures	21	Prof. Susan	19 (B1,C1)	22 (1,2,3)	25 (6,7)
Management of failed direct restoration	22	Dr. Alaa	19 (A1,B2)	22 (1,2,3)	25 (1)
Restoration of endodontically treated teeth I	23	Dr. Rawan	19 (C7)	22 (1,2,3)	25 (1)
Restoration of endodontically treated teeth II	24	Dr. Rawan	19 (C7)	22 (1,2,3)	25 (1)
Management of endodontic emergency	25	Dr. Rawan	19 (A4,A5)	22 (1,2,3)	25 (2,4)
Diagnosis and treating cracked teeth	26	Dr. Sanaa Jamaani	19 (B1,B2)	22 (1,2,3)	25 (3,4)
All-Ceramic Restorations I	27	Dr. Haddad	19 (B3,C8)	22 (1,2,3)	25 (1)
All-Ceramic Restorations II	28	Dr. Haddad	19 (B3,C8)	22 (1,2,3)	25 (1)

## 21. Teaching Methods and Assignments:

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

Teaching methods:

**Duration:** first and second semester

**Lectures:** 28 hours, one per week

## 22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Methods of evaluation: Exams:(MCQs or essays)

1. first exam 25 marks /
2. Second exam 25 marks /
3. Final exam 50 marks /

## 23. Course Policies:

A- Attendance policies:

Lecture attendance is obligatory. The handout and recommended textbook are not comprehensive and additional material will be covered in lectures. Students are responsible for all material covered in lectures. However, 15% allowed absence is granted for students by the university law.

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

According to the roles and regulations of the University of Jordan

C- Health and safety procedures:

According to the roles and regulations of the Faculty of Dentistry

D- Honesty policy regarding cheating, plagiarism, misbehavior:

According to the roles and regulations of the University of Jordan

E- Grading policy:

According to the roles and regulations of curriculum for the academic degree of Doctor of Dental Surgery (DDS)

F- Available university services that support achievement in the course: None

**24. Required equipment:**

None special

**25. References:**

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

1. Studevant's Art and Science of operative dentistry, Fourth edition, Roberson, Heymann, Swift (Mosby)
2. Endodontics, second edition, Stock, Gulabivala, Walker, Goodman. (Mosby-Wolfe)
3. Principles and practice of endodontics. Second edition, Walton & Torabinejad. (Saunders)
4. Cohen's Pathways of the pulp. 10th Edition.
5. Hargreaves and Keiser. Local anesthetic failure in endodontics: Mechanisms and Management.

Endodontic Topics 2002, 1, 26–39

6. Noncarious cervical lesions (NCCL)--a clinical concept based on the literature review. Part 2: restoration Am J Dent. 2011 Jun;24(3):183-92.

7. Non carious cervical lesions and occlusion: A systematic review of clinical studies. J Oral Rehab 2012;39:450 Abfraction separating fact from fiction. Austr Dent J. 2009


8. Andreasen JO, Bakland LK, Flore MT, Andreasen FM, Andersson L. Traumatic Dental Injuries. A Manual. 3<sup>rd</sup> edition. Wiley-Blackwell.

B- Recommended books, materials, and media: None

**26. Additional information:****Expected workload:**

On average you should expect to spend between 2 hours per week on this course.

Name of Course Coordinator: ...Prof. Ibrahim H Abu Tahun..... Signature: -----

 ----- Date: -----7 Sep 2022-----

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