

## **Pre-clinical dental treatment**

**It is considered the basis for the dentist and is to compensate for partially damaged teeth for cosmetic purposes.**

**Theoretical: A lot of fine details in drilling techniques and decay removal.**

**Practical: Apply what you have learned in theoretical lectures in a laboratory to artificial teeth and educational toys**

## **4- Preclinical fixed dental prostheses**

**Theoretical: compensation with fixed bridges or crowns**

**Practical: Apply what you have learned in theoretical lectures in a laboratory to artificial teeth and educational toys**

## **Different Learning Methods in the Department of Dentistry**

**A- Auditory method: This method depends on communicating information in the form of sounds that are heard by the learner for analysis and storage.**

**B- Visual method: in which information is communicated by displaying color images, videos or any form of visual educational aids.**

**C- Reading method: It is one of the methods that depend on reading information to understand and store it.**

**D. Interdisciplinary professional education where dental students collaborate with other healthcare professionals, to promote a holistic approach to patient care.**

## **Different evaluation methods for students in the Department of Dentistry**

**Daily tests with multiple-choice questions for subjects that require practical skills.**

**B- Daily exams with practical questions.**

**C- Semester and final exams.**

**D- Setting grades for the assigned homework .**

**H- Grades of participation of questions competing for the subjects of study.**

**G- Daily evaluation of the student's work in scientific laboratories and educational clinics.**

## **Learning Outcomes for Dental Courses**

**Using health information technology in oral and dental health care effectively.**

**Apply appropriate professional, ethical and legal standards in the provision of patient care in accordance with health care rules and regulations.**

**Providing graduates with scientific knowledge and professional skills in the fields of oral and dental surgery, dental prosthesis, dental preservation, orthodontics, pediatric dentistry, periodontal pathology and surrounding tissues**

Knowledge of the principles of oral and dental health and understanding of the development, prevention and treatment of related diseases

Health promotion and disease prevention to serve the community.

Integrating basic and medical sciences into healthcare practice.

Develop decision-making and problem-solving skills in healthcare.

Evaluate the state of oral and dental health and the medical condition of the patient, request the necessary diagnostic analyzes, and interpret the results of various analyzes to reach the appropriate diagnosis.

Prepare a care plan for the prevention and treatment of diseases taking into account the needs of the patient.

Demonstrate competence in performing procedures safely in all aspects of dentistry and prevent injuries arising from treatment.

Providing graduates with theoretical knowledge and laboratory and clinical skills that increase the effectiveness of diagnosis.

Preparing dental graduates and training them to become distinguished in various fields of dentistry.

### Lesson name and units

<i>Subject</i>	<i>1<sup>st</sup> Semester hours/week</i>		<i>2<sup>nd</sup> Semester hours/week</i>		<i>Units</i>
	<i>Theory</i>	<i>Practical</i>	<i>Theory</i>	<i>Practical</i>	
<b>9-Preclinical Fixed Prosthodontics</b> التعويضات السنية الثابتة ما قبل السريري	١	٢	١	٢	٤

<b>1-Subject title</b>	<b>Preclinical Fixed prosthodontics</b>	
<b>2-Number of credits</b>	Theory:2	Laboratory:2
<b>3-Number of contact hours</b>	Theory:1h/wk.	Laboratory: 2h/wk.
<b>4-Subject time</b>	Third Year	

Number	Title of the lectures	Hours
1	Definitions	1

2	Definitions	1
3	Definitions	1
4	Biomechanical principles of tooth preparation:	1
5	Biomechanical principles of tooth preparation:	1

6	Biomechanical principles of tooth preparation:	1
7	Full metal crown	1
8	Full metal crown	1
9	Porcelain fused to metal crown	1
10	Porcelain fused to metal crown	1
11	Complete ceramic crown (Porcelain Jacket Crown)	1
12	Complete ceramic crown (Porcelain Jacket Crown)	1
13	Partial veneer crown (three-quarter crown)	1
14	Partial veneer crown (three-quarter crown)	1
15	Post crown	1
16	Post crown	1
17	Impression for crown and bridge work	1
18	Impression for crown and bridge work	1
19	Provisional restoration	1
20	Provisional restoration	1
21	Working cast and dies	1
22	Working cast and dies	1
23	Waxing, investing, casting	1
24	Waxing, investing, casting	1
25	Finishing of the casting and clinical try-in	1
26	Finishing of the casting and clinical try-in	1
27	Cementation	1
28	Cementation	1
29	CAD /CAM Technology for crown construction	1
30	CAD /CAM Technology for crown construction	1
<b>Total</b>		<b>30</b>

## Laboratory sessions

Lab number	Study unit title <b>Preclinical Fixed Prosthodontics</b>	Hours
1	Introduction on the lab work, phantom heads and teeth manikins.	2
2	Demonstration about the rotary instrument and how to cut geometrical cavities (Part 1).	2
3	Demonstration about the rotary instrument and how to cut geometrical cavities (Part 2).	2
4	Demonstration on full metal crown preparation on lower 1 <sup>st</sup> molar.	2
5	Demonstration on full metal crown preparation on lower 2 <sup>nd</sup> molar.	2
6	Practicing lab under supervision.	2
7	Practicing lab under supervision.	2
8	Practical assessment of full metal crown preparation on lower 1 <sup>st</sup> molar.	2
9	Demonstration on porcelain fused to metal crown preparation on upper central incisor.	2
10	Demonstration on porcelain fused to metal crown preparation on upper	2

	lateral incisor.	
11	Practicing lab under supervision.	2
12	Practicing lab under supervision.	2
13	Practical assessment of porcelain fused to metal crown preparation on upper central incisor.	2
14	Demonstration on post crown preparation on extracted root canal filled upper canine.	2
15	Demonstration on post crown preparation on extracted root canal filled lower 1 <sup>st</sup> premolar.	2
16	Practicing lab under supervision.	2
17	Practicing lab under supervision.	2
18	Practical assessment of post crown preparation on extracted root canal filled upper canine.	2
19	Demonstration on special tray construction.	2
20	Demonstration on impression materials used in Fixed Prosthodontics.	2
21	Demonstration on impression techniques in Fixed Prosthodontics.	2
22	Demonstration on die construction using dowel pin.	2
23	Demonstration on provisional restoration (Part 1): Materials.	2
24	Demonstration on provisional restoration (Part 2): Techniques.	2
25	Demonstration on direct waxing for post crown construction on upper canine.	2
26	Demonstration on indirect waxing technique.	2
27	Demonstration on investing and casting.	2
28	Demonstration on cleaning and finishing of the cast restoration.	2
29	Final assessment of the practical work.	2
30	Final practical exam.	2
Total		60