

Course Syllabus

1	Course title	Conservative Dentistry 4 Crown & Bridge (theory)
2	Course number	1302417
3	Credit hours (theory, practical)	1 hour
	Contact hours (theory, practical)	1 hour/week
4	Prerequisites/corequisites	1302315
5	Program title	DDs in Dentistry
6	Program code	NA
7	Awarding institution	University of Jordan
8	School	Dentistry
9	Department	Restorative Dentistry
10	Level of course	4th year
11	Year of study and semester (s)	First semester
12	Final Qualification	DDS
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	August 2022

16. Course Coordinator:

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

Dr. Noor Ismail, Phone number: 0788134731 Email: Noor.ismail@ju.edu.jo

17. Other instructors:

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

Dr Islam Abd Alraheam. Email: islam.raheam@gmail.com

Dr. Noor Ismail. Email: noor.ismail26@yahoo.com

18. Course Description:

As stated in the approved study plan.

This course discusses the principles of fixed prosthesis including casted gold restorations, crowns and bridges. The course explores the various dental materials, equipment, procedures and techniques (clinical and laboratory work) used to construct the different types of fixed prosthesis and casted gold restorations.

19. Course aims and outcomes:

A-Aims:

The actual course aims to enable the student to fully understand of the fundamentals of fixed prosthodontics. In addition it provides the students with a comprehensive and clinically relevant information about as broad an array of topics and techniques.

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

1. An introduction to the discipline of contemporary fixed prosthodontics as well as its place in the comprehensive treatment planning
2. An in-depth knowledge of the concepts and the main principles of tooth preparation.
3. Acquiring the bases of tooth preparation. During this course the student is exposed to a large scale of prosthesis from partial coverage restoration such as inlays and onlays to full coverage restorations whether these restorations are all metal, metal-ceramic or full ceramic.
4. Discussion of different materials used in impression making and final cementation and the place of each one according to the clinical situation
5. Acquiring a background in the methodology of tooth preparation. In other words, the bases, armamentarium used and the main outlines to respect for each type of restoration.
6. Full understanding of the different materials used in impression making and the characteristics of each type.
7. An in-depth knowledge of the materials and techniques used in provisional restoration fabrication, in addition to the importance of this phase in the diagnosis, prognosis and end result of the prosthodontic treatment.
8. An understanding of each step of the laboratory procedures and technological improvements in the fabrication of fixed restorations
9. Apply the knowledge given for the appreciation of the indications, contraindications, advantages as well as disadvantages of each type of restoration.
10. An in-depth understanding of the major principles of tooth preparation from the prerequisites to the development of satisfactory tooth preparation skills.
11. To be able with the mastering of the different treatment modalities existing in fixed prosthodontics as well as the application of each type of treatment to establish a proper comprehensive treatment plan based on a sound clinical judgement.
12. Ability to discuss and criticize the laboratory work based on the detailed information provided to the student during this course.
13. To understand how digital workflow in fixed prosthodontics work
14. To know how to manage fixed prosthetic failure and understand what the criteria is for repairing or replacing old restorations

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction to fixed prosthodontics	1	Dr. Noor	1	22 (1+2)	25 (1+2)
Principles of tooth preparation	2	Dr. Noor	2+3+5	22 (1+2)	25 (1+2)
Full coverage restoration	3	Dr. Noor	3+5+9	22 (1+2)	25 (1+2)
Intra coronal and partial coverage restorations	4	Dr. Noor	3+5+9	22 (1+2)	25 (1+2)
Bridge and pontic design	5	Dr. Noor	3	22 (1+2)	25 (1+2)
Fluid control and soft tissue management	6	Dr. Noor	4	22 (1+2)	25 (1+2)
Impression making	7	Dr. Noor	7	22 (1+2)	25 (1+2)
Provisional restorations	8	Dr. Noor	4+6	22 (1+2)	25 (1+2)
Shade selection	9	Dr. Islam	12	22 (1+2)	25 (1+2)
Laboratory procedures	10	Dr. Islam	5+6+7	22 (1+2)	25 (1+2)
Try in stages	11	Dr. Islam	9+10+12+8	22 (1+2)	25 (1+2)
cementation procedures	12	Dr Islam	4	22 (1+2)	25 (1+2)
Digital workflow + management of prosthetic failure	13	Dr Islam	13+14	22 (1+2)	25 (1+2)
Long term postoperative care of fixed prosthodontics	14	Dr. Islam	11+12	22 (1+2)	25 (1+2)

21. Teaching Methods and Assignment

Development of ILOs is promoted through the following teaching and learning methods:
Weekly online lectures (live streaming via Microsoft Teams) (1 hour per week) & 2 written exams (mid and final)

Teaching methods:

Duration : 14 weeks in first semester, 14 hours in total.

Lectures : 14 hours, 1 per week, in addition to two exams (one hour mid-term exam and two hours final exam).

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:

1. Midterm exam: 40 points, MCQ or Essay format
2. Final Exam: 60 points, MCQ format

23. Course Policies:

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.

Absences from exams and handing in assignments on time:

The students will be allowed to sit for a make-up exam (the nature of which is decided by the course coordinator), in case they did not attend the designated exam due to a valid excuse, and the excuse was submitted in due time (according to the UJ regulations). In all other cases, absence from attending an exam the student mark will be considered zero.

Health and safety procedures:

According to the rules and regulations of the Faculty of Dentistry

Honesty policy regarding cheating, plagiarism, misbehaviour:

Cheating is considered an unacceptable behavior in exams and a reason for unsuccessful course result.

According to the rules and regulations of the University of Jordan

Grading policy:

Marks are converted to letter according to the course curve. Usually the top 10-15% students are granted the A mark. Marks D- and F are considered failure marks.

According to the rules and regulations of curriculum for the academic degree of Doctor of Dental Surgery (DDS) (Mid Term 40%, Final Exam 60%)

Available university services that support achievement in the course

Students can utilize the university main library or medical library for references. In

addition,theycanaccessstaffwebsitesforadditionalinformationrelatedtothecourse.

24. Required equipment: (Facilities, Tools, Labs, Training....)

N/A since the course is theoretical course

25. References:

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

- **Shillinburg H, Hobo S, Whitsett L, Jacobi R, Brackett S** «*Fundamentals of Fixed Prosthodontics* » 3rd Edition, Quintessence1997.
- **Rosenstiel, Land and Fujimoto** « Contemporary Fixed Prosthodontics » 3nd Edition, Mosby 2001

B- Recommended books, materials, and media:
Crown and Bridge Youtube channel (Cr_Br)

26. Additional information:

Name of Course Coordinator: **DR NOOR ISMAIL**Signature:-----*Noor*— Date: 28August2022

Head of curriculum committee/Department: ----- Signature:-----

HeadofDepartment:.....Signature:.....

Head of curriculum committee/Faculty: ----- Signature:-----

Dean: ----- Signature:.....