

The University of Jordan
Faculty of Dentistry

Course Title: Introduction to Clinical Dentistry & Oral Diagnosis (Theory)

Course Code: 1301355

Prerequisite: this course is supplemented by a parallel clinical course

Department: Oral Surgery, Oral Medicine and Periodontology

Course Coordinator: Dr. Mohammad Al-Shiab

Instructors: Dr Mohammad Al-Shiab and Dr. Soukayna Ryalat

Year: third year, summer semester

Course Objectives:

- This course aims at introducing third year dental students to the dental clinical environment.
- It demonstrates the clinical aspect of dental practice by explaining the patient's history, clinical examination and other methods of collecting diagnostic information.
- Cross-infection control is also demonstrated with special emphasis on the dental clinical environment and methods of sterilization.
- Students are expected to learn ways of collecting diagnostic information. This starts with taking the clinical history. Methods of clinical examination are also explained to students so that all students would be able to identify the main steps in extra-oral and intraoral examination.
- Students should differentiate between normal and abnormal structures of the oral cavity.
- Students should also learn the most frequently needed investigations by dental practitioners.
- Occupational and radiation hazards will be included.
- At the end of the course, students will be introduced to the most frequently prescribed medications in dental practice together with rules of prescription writing.

Learning Outcomes:

Successful completion of this course should lead to the following learning outcomes:

A- Knowledge and Understanding (students should)

- A1) Be able to recognize all components of clinical history.
- A2) Be able to identify normal and abnormal oral structures
- A3) Be able to demonstrate characteristics of carious lesions and periodontal lesions

B- Intellectual skills- with ability to:

- B1) Relate positive medical history to dental procedures
- B2) Identify the impact of social and habitual history on oral health

C- Subject specific skills- with ability to

- C1) Be aware of the diagnostic features of dental caries and periodontal disease
- C2) Recognize the appropriate investigations required for patients with positive medical history prior to dental treatment
- C3) Select the appropriate medications (and appropriate dose) for the different oral lesions

D- Transferable skills- with ability to:

- D1) Display an integrated approach to the deployment of communication skills
- D3) Develop self-confidence and patient-doctor relationship

Teaching Methods: Duration: 8 weeks in summer semester, 16 hours in total, two lectures per week

Tests and Evaluation:

1. Midterm exam (40%)
2. Final exam (60%)

Course contents and Weights:

Lecture no	Subject	Material covered
1,2	Cross infection control and sterilization	Methods of clinical infection control & methods of sterilization
3	Patient's History	Components of patient's history: Personal details, Chief complaint and its history, Medical history, Dental history, Family history, social and habitual history
4	Methods of clinical examination	<ul style="list-style-type: none">• Extra oral examination: Lymph nodes, TMJ, Head and Neck• Intraoral examination: Oral mucosae, Dental examination, Salivary flow, Periodontal examination
5	Clinical evaluation of normal oral mucosa	Students should differentiate between normal and abnormal structures of the oral cavity.
6	Clinical evaluation of abnormal oral mucosa	Students should differentiate between normal and abnormal structures of the oral cavity.
7, 8	Special Investigations	<ul style="list-style-type: none">• Hematological• Biochemical• Immunological• Microbiological
9	Mid -Term Exam	
10	Biopsy	<ul style="list-style-type: none">• Types of biopsy• Techniques employed in dentistry
11, 12	Introduction to local anaesthesia in dentistry	<ul style="list-style-type: none">• Local anaesthetic drugs• Pharmacology of vasoconstrictors• Systemic action of adrenaline• Systemic action of local anaesthetics
13, 14	Antimicrobials, analgesics, steroids	The most employed in dentistry
15	Occupational and radiation hazards	Occupational and radiation hazards in dentistry
16	Final Exam	

References:

1. **Crispian Scully**, Medical problems in dentistry. Churchill livingstone. 6th edition. 2010.
2. **Crispian Scully**, Applied medicine and surgery in dentistry. 3rd edition. 2010.

3. **Gary C. Coleman, John F. Nelson. Principles of Oral Diagnosis. ISBN (0-8016-1005-2), Mosby-Year Book. 2003.**

4. **Dental Journals that provide Oral Medicine topics, preferably:**

- ✓ **Dental Update**
- ✓ **Journal of American Dental association**
- ✓ **Journal of Canadian Dental association**
- ✓ **British Dental Journal**
- ✓ **Oral medicine journals specified by instructors**

Lecture No.	Date	Subject	lecturers
1, 2	(23, 24/6/09)	Cross infection control and sterilization	Dr. Soukayna Ryalat
3	(30/6/09)	Patient's History	Dr. Soukayna Ryalat
4	(1/7/09)	Methods of clinical examination	Dr. Soukayna Ryalat
5	(7/7/09)	Clinical evaluation of normal oral mucosa	Dr. Mohammad Al-Shiab
6	(8/7/09)	Clinical evaluation of abnormal oral mucosa	Dr. Mohammad Al-Shiab
7, 8	(14, 15/7/09)	Special Investigations	Dr. Mohammad Al-Shiab
9	(21/7/09)	Mid-Term Exam	
10	(22/7/09)	Biopsy	Dr. Mohammad Al-Shiab
11, 12	(28,29/7/09)	Introduction to local anaesthesia in dentistry	Dr. Soukayna Ryalat Dr. Mohammad Al-Shiab
13, 14	(4,5/8/09)	Antimicrobials, analgesics, steroids	Dr. Mohammad Al-Shiab Dr. Soukayna Ryalat
15	(11/8/09)	Occupational and radiation hazards	Dr. Soukayna Ryalat
16	(12/8/09)	Final Exam	