###### King Saud University

**College of dentistry**

# **Department of Oral Medicine & Diagnostic Sciences**

**Division of Oral Medicine**

## Course Number and Name:

## 242 DDS- Oral Diagnosis I

2 Credit hours (Lecture = 1, Clinic= 1)

**Course description and objectives:**

The course is two credit hours. The purpose of this course is to expose the dental student to basic general knowledge related to learn how to communicate with the patients and interview them. The student will gain knowledge of normal extra oral and intra oral structures, assessment of general appraisal and mental status and know common signs and symptoms of diseases. It is designed to provide a guide to know appropriate way to perform clinical examination, understand and assess the patient’s problem. The course will also introduce some medical and dental terminology. The first lectures will deal with history taking & interviewing of the patient. Subsequently, clinical examination along with normal structures, investigations & treatment plan. At the same time, student will practice clinically those steps.

**Specific Educational Objectives:**

**The main goal** of this course is to learn how to approach, take history & examine the patient in the proper way and form a treatment plan. By the end of the semester student should be able to:

1. To communicate with the patient correctly & properly, and document the information in patient’s record.
2. Able to take general and oral health history and ask the appropriate questions as suggested by the signs & symptoms.
3. Perform extra- oral and intra-oral examination thoroughly and systematically.
4. Perform the diagnostic procedures as suggested by the history or examination.
5. Recognize any abnormality in oral and peri-oral tissues and describe it.
6. Recognize the need for medical &/or dental referral or consultation.
7. Develop a treatment plan suitable for the patient.

**Methodology:**

* The course extends over 15 weeks with one lecture of one-hour duration and one clinical session of (3) hours duration weekly.
* In the clinic, the students will be divided in-group of 6 students; each group will be under instruction of one of faculty member. The group will receive weekly demonstrations on each step of patient evaluation, including history and various steps of examination.
* The students will be grouped into pairs and will practice all steps of patient evaluation on each other. Each step of history and examination will be evaluated weekly by the group instructor.
* Discussion will be held at each session to evaluate students on pre-assigned procedure prior to clinical demonstration. The student is required to read from the clinic manual before attending the clinical session.
* A weekly Quiz from the assigned reading of the clinical manual will be conducted at the beginning of the clinical session
* Recognition of normal structures and variation from normal are emphasized.

**Student's Evaluation:**

* There will be two written assessments and several quizzes, final practical exam and final written examination.
* Any student absent from any exam **without** valid medical report, approved by the Vice-Dean for Academic Affairs, will get zero for that exam. **Make up exams** are mostly **essay questions.**

**Examinations & Grading**:

1st Assessment 15 Points

2nd Assessment 15 Points

Quizzes

(from clinical manual) 10 Points

Clinics 20 Points

Final Exam 40 Points

Continuous clinical Evaluation:

Simulated and actual clinical situations will be implemented in this course. The student must be able to perform the clinical aspect of the course (such as clinical examination of the patient). Students will be assessed in all clinical assignment through discussion and clinical competency. These assessments will also include knowledge level cognitive skills, interpersonal communication, professional attitude & development.

***\* To obtain a passing grade, the student must have a final cumulative score of 60%***

**Recommended Readings:**

1. Principles of Oral Diagnosis: Gary C. Coleman ,John F. Nelson,

1st Ed

1. Oral Diagnosis, Oral medicine & Treatment Planning:

Steven L. Bricker, Robert P. Langlais , Craig S. Miller. 2nd Ed

1. Clinical Oral Diagnosis Instruction Manual: Kawkab M.A. Al-Turck,

KSU Press, 1st Ed.

**King Saud University**

# **College of dentistry**

**242 DDS- Oral Diagnosis**

**Lectures Schedule (MUC)**

Course Director: Dr. Kawkab M.A. Al-Turck (MUC)

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| Week | **SUBJECT** | | **Reading Assignment / lecturer** |
| 29/1/2012  5/2/2012  5/2/2012 | Introduction & OrientationClinical Rules & RegulationsDiagnostic Method (Diagnostic method: collection of information, evaluation of information, diagnostic decisions, and reassessment. Types of clinical examinations) | | Principles of Oral Diagnosis: Coleman & Nelson  p3-p13.  Dr. Turck |
| **Physical assessment** (Responsibilities and objectives, CVD: hypertension, valvular heart disease. Infective endocarditis, angina pectoris, MI congestive heart failure, arrhythmia. Pulmonary diseases: asthma COPD. GIT diseases: peptic ulcer, malabsorption disease, intestinal diseases, hepatitis, and hepatic cirrhosis. Endocrine diseases: diabetes mellitus, thyroid and adrenal glands diseases. Genitourinary diseases: renal diseases sexually transmitted diseases. CNS diseases: CVA, Seizures and degenerative neuromuscular diseases. Connective tissue diseases: RA, SLE, and SSc. Neoplasia) **Infection Control** (Objectives, transmission, and precaution: personal,  patients, clinical stages of sterilization & aseptic storage.  Departmental guide lines) | | Principles of Oral Diagnosis: Coleman &  Nelson    p87-p119.  Dr. Turck  Infection Control Procedure Manual  p1-p10/ p15-p25.  Dr. Mobeerick |
| 12/2/2012 | Patient History (Importance, diagnostic interview: methods of questioning & effective interviewing. Health questioners, specific components of the patient’s history). | | Principles of Oral Diagnosis: Coleman &  Nelson  p14-p29.  Dr. Shawaf |
| 12/2/2012 | Methods of Clinical Examination (General methods of physical examination: visual, palpation auscultation, smell, probing, and function evaluation. Application of examination techniques in dentistry.) | | Principles of Oral Diagnosis: Coleman &  Nelson  p30-p38.  Dr. Turck |
| **1st Assessment** | | | |
| **Week** | **SUBJECT** | | **Reading Assignment** |
| 19/2/2012 | Extra-oral Examination (General patient assessment: identification, mental status, habitus, head & facial form, posture and abnormal movements. Vital signs. Examination of specific extra-oral structures in the head and neck area) | | Principles of Oral Diagnosis: Coleman &  Nelson  p 44-p 62.  Dr. Turck |
| 26/2/2012 | Intra-Oral Examination (Topographic anatomy. Examination of the oral soft tissues techniques) | | Oral Diagnosis, Oral medicine & Treatment Planning: Bricker, Langlais & Miller.  P 80-p 95.  Dr. Turck |
| 4/3/2012 | Examination of Teeth (Examination of teeth: techniques, identifying diseases & their examination, recording findings) | | Oral Diagnosis, Oral medicine & Treatment Planning: Bricker, Langlais & Miller.  P 96-p 108.  Dr. Shawaf |
| 11/3/2012 | Examination of periodontium (Topographic anatomy, examination technique, inflammatory condition of supportive tissue: overview of gingivitis and periodontitis: classification and types) | | Principles of Oral Diagnosis: Coleman & Nelson  p 152- p 160.  Oral Diagnosis, Oral medicine & Treatment Planning: Bricker, Langlais & Miller.    P 92-p 95.  Dr. Turck |
| 2ND Assessment | | | |
| 18/3/2012 | Examination of occlusion & edentulous mouth (Developing Occlusion, facial form analysis, mixed dentition analysis, Angle’s classification, Adult occlusion, occlussal wear trauma, Bruxism) | | Oral Diagnosis: Kerr, Ash & Millardp 200-p 206, p 210-p 215, 217-218. Prof. K. Majdee |
| 25/3/2012 **MID - 2ND  SEMESTER BREAK**  |  |  |  | | --- | --- | --- | | **Week** | **SUBJECT** | **Reading Assignment** | | 1/4/2012 | Radiographic Examination (Selection criteria. Commonly used radiographs. Film evaluation & interpretation. Radiographic appearance dental diseases) | Oral Diagnosis, Oral medicine & Treatment Planning: Bricker, Langlais & Miller.  P 109-p 128.  Dr. Turck | | | | |
| 8/4/2012 | | Treatment Plan (Format of treatment plan, factors that influence treatment plan alternative and tentative treatment plan, prognosis determination) | Oral Diagnosis, Oral medicine & Treatment Planning: Bricker, Langlais & Miller.  P 783-p 791.  Prof. Al-Dossari |
| 15/4/2012 | Supplementary Examination (Routine hematology screening (CBC). Homeostasis and coagulation. Blood chemistry & electrolytes. Biopsy: types and specimen handling) | | Principles of Oral Diagnosis: Coleman &  Nelson p 190-p 218.  Dr.Mobeeriek |
| 22/4/2012 | Clinical Signs of Diseases (Skin signs: primary & secondary lesions, hair scalp, hands & fingers) | | Oral Diagnosis, Oral medicine & Treatment Planning: Bricker, Langlais & Miller.  P 553-p 591.  Prof. Al-Dossari |
| 29/4/2012 | Revision | | Dr. Turck |

**King Saud University**

# **College of dentistry**

**242 DDS- Oral Diagnosis**

**Clinic Schedule (MUC)**

Course Director: Dr. Kawkab M.A. Al-Turck.

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| Date | **Clinical Activities** | **Reading assignment** |
| 29/1/2012 | **Introduction, Orientation, discussion of clinical rules & instructions. and students’ files.**  **Discussion of records system of the college**  **Clinic tour & unit demonstration**  (Primary & regular care: Def., procedures, eligibilities& priorities, file content) | Clinical Manual: p. 1-12  Dr. Turck |
| 5/2/2012 | **- Issue files to the students**  **Discussion of infection control protocol**  **Video Demonstration**  (Objectives, transmission, and precaution: personal, patients,) | Infection control  Dr. Turck |
| 12/2/2012 | **Practice Case History**  Diagnosticprocedure**,** collection of information, health questionnaires, patient interview, dental history, consultation | Clinical Manual  p 13 -23, p 27-30  All Faculty |
| 19/2/2012 | **Practice Extra-oral Examination & Determination of Vital Signs**  (Physical examination, methods of examination, general assessment of the patient, facial form, exam of extra-oral structures: skin, ears, eyes, neck, lymph nodes, nails & hands). Conducting Vital Signs Detremination. | Clinical Manual  p.30-39  All Faculty |
| 26/2/2012 | **Practice Soft Tissue Examination & Request & take Radiographs**  (Examination of soft tissues: lips, buccal mucosa, palate and oropharynx, tongue, floor of the mouth, normal appearance land marks and normal variations) | Clinical Manual  p.39-45  All Faculty |

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| Week | **Clinical Activities** | **Reading assignment** |
| 4/3/2012 | **Practice Teeth Examination & Dental Charting**  (Types of teeth examination, initial teeth examination radiographic exam, and common dental diseases: caries types & examination, dental maldevelopment, congenital conditions, discoloration. Pulp examination & charting dental conditions) | Clinical Manual p.45-59  All Faculty |
| 11/3/2012 | **Practice Periodontal Examination**  (Topographical anatomy, characteristics of normal gingival, probing, mobility periodontal index, Examination of occlusion, Angle’s classification, ideal occlusion characteristics, teeth relationship: open bite, edge-to-edge, cross bite, examination of edentulous& partially edentulous mouth, diagnostic casts) | Clinical Manual p. 60-65  All Faculty |
| 18/3/2012 | **Practice Occlusion Examination, determine case diagnosis & findings** | Clinical Manual p.62-65  p.84-103  All Faculty |
| 25/3/2012 | Mid- 2nd Semester Break |  |
| 1/4/2012 | **Practice Treatment Planning, Finishing file Documentation** (Constructing treatment plan, listing & identifying problems, curative & corrective treatment, priorities in treatment plan) | Clinical Manual:  p 69-75  All Faculty |
| 8/4/2012 | Patient Examination by clinical instructor (Demonstration) | All Faculty |
| 15/4/2012 | Patient Examination (by students) | All Faculty |
| 22/4/2012 | Patient Examination (by students) | All Faculty |
| 29/4/2012 | Patient Examination (by students) | All Faculty |
| 6/5/2012 | Treatment planning session(Finishing requirements) | All Faculty |

**King Saud University**

# **College of dentistry**

**242 DDS- Oral Diagnosis**

**Clinical Activities Schedule (MUC)**

Course Director: Dr. Kawkab M.A. Al-Turck.

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| Date | **Clinical Activities** | **Required Materials & Items** | **Instructors** | **Clinic Time** |
| 29/1/2012 | - Clinical rules&  Regulations.  - Discussion of records  system of the college  - Making Student’s groups  -Clinic tour & unit demonstratio**n** | - Blank PC &  Permanent  Files  -Forms for requesting files for students | Dr. Turck | **10:30-11:45 a.m.** |
| 5/2/2012 | **- Issue files for students**  **- Discussion of infection**  **control protocol**  **Video Demonstration**  (Objectives, transmission, and precaution: personal, patients,) | - Process files for Students  -Infection control steps in sterilization center | Dr. Turck  Dental Assistants  in-charge | **10:30-11:45 a.m.** |
| 12/2/2012 | **Practice Case History on each other**  CaseHx. Medical consultation, social Hx., ROS, & ASA Classification | - Files for Students | All Faculty | **10:15-11:45 a.m.** |
| 19/2/2012 | **Practice Extra-oral** **Examination& Determination** **of Vital Signs** | Students Files  Sphygmo. To measure B.P., Pulse rate, Resp. rate, & Temp | All Faculty | **9:15- 11:30a.m.** |
| **Week** | **Clinical Activities** | **Required Materials & Items** | **Instructors** | **Clinic Time** |
| 26/2/2012 | **Practice Soft Tissue Examination & Request & take Radiographs** | Students Files  &  ODTP | All Faculty | **9:15- 11:30a.m.** |
| 4/3/2012 | **Practice Teeth Examination & Dental Charting** | Students Files  &  ODTP  Red & blue pencil | All Faculty | **9:15- 11:30a.m.** |
| 11/3/2012 | **Practice Periodontal Examination** | Students Files  &  ODTP  Red & blue pencil | All Faculty | **9:15- 11:30a.m.** |
| 18/3/2012 | **Practice Occlusion Examination, determine case diagnosis & findings** | Students Files  &  ODTP | All Faculty | **9:15- 11:30a.m.** |
| 25/3/2012 | Mid- 2nd Semester Break |  |  |  |
| 1/4/2012 | **Practice Treatment Planning, referring for Tx. Finishing file Documentation** | Students Files  &  ODTP | All Faculty | **9:15- 11:30a.m.** |
| 8/4/2012 | Patient Examination by clinical instructor (Demonstration) | (10-12) patients  For exam.  Age( 15-30) yrs.  ODTP  ODx.Forms | All Faculty | **9:15- 11:30a.m.** |
| 15/4/2012 | Patient Examination by students | (20-25) patients  For exam.  Age( 15-30) yrs.  ODTP  ODx. forms | All Faculty | **9:15- 11:30a.m.** |
| 22/4/2012 | Patient Examination by students | (20-25) patients  For exam.  Age( 15-30) yrs.  ODTP  ODx. forms | All Faculty | **9:15- 11:30a.m.** |
| 29/42012 | Patient Examination by students | (20-25) patients  For exam.  Age( 15-30) yrs.  ODTP  ODx. forms | All Faculty | **9:15- 11:30a.m.** |
| 6/5/2012 | **Treatment plan session** | All patients files in previous weeks distributed to students dental cubical | All Faculty | **9:15- 11:30a.m.** |

Course Director:

Dr. Kawkab M.A. Al-Turck

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| KING SAUD UNIVERSITY  COLLEGE OF DENTISTRY  DEPARTMENT OF MAXILLOFACIAL SURGERY & DIAGNOSTIC SCIENCES 242 DDS – ORAL DIAGNOSIS IClinical Evaluation Form Student’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    Registration No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Partner’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Cubicle No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | | **Clinical Exercise** | **Grade** | |
| 1 | | Practice Case History / Determination  of Vital Signs (5 points each) |  | |
| 2 | | Practice Extra-oral Examination/ Radiographic Examination  (5 points each) |  | |
| 3 | | Practice Intra-oral Soft Tissue Examination (10 points) |  | |
| 4 | | Practice Examination of Teeth & Dental Charting (10 points) |  | |
| 5 | | Practice Periodontal Examination / Examination of Occlusion  (5 points each) |  | |
| 6 | | Practice Problem list / Treatment Planning (5 points each) |  | |
|  | | Total out of 60 points. | /60 | |

Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Supervisor’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Supervisor’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_