



King Saud University, College of Dentistry
Department of Periodontics and Community Dentistry
DIVISION OF COMMUNITY DENTISTRY

181 PCS
Introduction to Dentistry
First Semester

Course Directors: **Dr. Salwa Al-Sadhan [MUC]** **Dr. Abid Al-Badr [DUC]**
Credit Hours : 1 hour (Lecture)
Time & Location: DUC: Saturday 1- 2 p.m. (Room 02/GA)
MUC: Tuesday 1-2 p.m. (Room 101).

Course Description:

Provide first year dental students with an introduction to concepts, principles and procedures of various disciplines in dentistry with emphasis on prevention, comprehensive treatment and patient management. Dental curriculum orientation and regulations in pre-clinic and clinic area will be provided.

Course Objectives:

Upon completion of the course, the student should:

- define various discipline in dentistry and describe objectives of each discipline.
- be familiar with characteristics of target population served by the discipline.
- discuss preventive aspects of each discipline in dentistry.
- explain the role of health provider in patient management related to the discipline.
- discuss major procedures in the discipline with emphasis on comprehensive treatment.
- have sufficient knowledge on professionalism and professional ethics.

Course Organization:

Class activities will be in the form of lectures and discussions. Since the course is an introduction to each of the disciplines of dentistry, a representative from each division of the Dental School will conduct a lecture and discussion related to that discipline.

C. Readings:

Library readings such as introductory chapter from discipline textbook or handouts will be assigned for each lecture by discipline representative.

D. Course Assessment:

Quizzes	-	10%
First examination	-	30%
Second examination	-	60%

To obtain a passing grade the student need to have a **final cumulative score of 60%** of all written exams.

/Betchay. Sept 19, 2010

FIRST HALF OF ACADEMIC YEAR 2010-2011G

**LECTURE SCHEDULE - 181 PCS
Introduction to Dentistry**

Saturday, 1:00 – 2:00 pm - Room 02/GA (DUC)

Tuesday, 1:00 – 2:00 pm - Room 101 (MUC)

SESSION NO.	SATURDAY DATE DUC	TUESDAY DATE MUC	TOPICS	LECTURER - DUC	LECTURER - MUC
1	25 Sept. '10	28 Sept. '10	Introduction to the course	Dr. A. Al-Badr	Dr. S. Al-Sadhan
2	2 Oct. '10	5 Oct. '10	History of Dentistry	Dr. A. Al-Badr	Dr. S. Al-Sadhan
3	9 Oct. '10	12 Oct. '10	Introduction to Dental Curriculum and Regulation in the Dental School	Dr. A. Alhadlaq	Prof. W. Awliya
4	16 Oct. '10	19 Oct. '10	Introduction to Diagnostic Sciences	Prof. A. Al-Dosari	Prof. A. Al-Dosari
5	23 Oct. '10	26 Oct. '10	Introduction to Periodontics	Prof. A. Sukumaran	Prof. F. Awartani
6	30 Oct. '10	2 Nov. '10	Introduction to Operative Dentistry	Dr. S. Al-Shethri	Dr. N. Ateyah
7	6 Nov. '10	9 Nov. '10	Introduction to Orthodontics	Prof. M. Bukhary	Prof. M. Bukhary
			HAJJ HOLIDAY 11 - 21 NOVEMBER 2010		
8	27 Nov. '10	23 Nov. '10	FIRST EXAMINATION DATE TO BE ARRANGED		
9	4 Dec. '10	30 Nov. '10	Introduction to Pediatric Dentistry	Dr. O. Bawazir	Prof. A. Hussyeen
10	11 Dec. '10	7 Dec. '10	Introduction to Endodontics	Prof. A. Saad	Dr. S. Basoudan
11	18 Dec. '10	14 Dec. '10	Introduction to Oral Surgery	Dr. N. Khawaja	Dr. N. Khawaja
12	25 Dec. '10	21 Dec. '10	Introduction to Fixed Prosthodontics	Dr. A. AlQahtani	Dr. N. Alshehri
13	1 Jan. 2011	28 Dec. '10	Introduction to Removable Prosthodontics	Dr. A. AlShahrani	Dr. A. Abouobaid
14	4 Jan. '11	8 Jan. '11	Introduction to Complete Prosthodontics	Dr. A. AlShahrani	Dr. A. Abouobaid
15	15 Jan. '11	11 Jan. '11	Introduction to Dental Material	Dr. A. El-Araby	Prof. N. Bakir
16	22 Jan. '11	18 Jan. '11	Introduction to Dental Public Health	Dr. H. Halawany	Dr. H. Halawany
			SECOND EXAMINATION DATE TO BE ARRANGED		

/Betchay. Sept. 28, 2010 updated

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SESSION OUTLINE

- Session 1** : Introduction to Dentistry and History of Dentistry.
Lesson Contents :
1. Aims of the course and topics of interest.
2. History of Dentistry
- a. What is a profession?
b. Definition and characteristics of a profession.
c. Dental profession development.
d. Era of modern dentistry.
- Session 2** : Introduction to Dental Curriculum, Pre-Clinical and Clinical Regulation in the Dental School.
Lesson Contents :
1. Curriculum objectives
2. Yearly curriculum plan
3. Pre-clinical regulations
4. Clinical regulations
- Session 3** : Introduction to Diagnostic Sciences
Lesson Contents :
1. Definition
2. Diagnostic methods
- a. Collection of diagnostic information
b. Information analysis
c. Diagnosis
d. Re-assessment / Treatment
- Session 4** : Introduction to Operative Dentistry
Lesson Contents :
1. Definition
2. History and Epidemiology
3. Function and purposes
4. Types of lesions in tooth destruction
5. Classification of decay
6. Relationship between operative dentistry and other dental specialties
7. Factors influencing dental practice

Session 5	:	Introduction to Periodontics
Lesson Contents	:	
	1.	Definition
	2.	Anatomy of the periodontium
	3.	Epidemiology of periodontal disease
	4.	Etiology
	5.	Examination and diagnosis
Session 6	:	Introduction to Orthodontics
Lesson Contents	:	
	1.	Definition and scope
	2.	Historical backgrounds
	3.	Epidemiology of malocclusion
	4.	Causes of malocclusion
	5.	Is orthodontic necessary
Session 7	:	Introduction to Pediatric Dentistry
Lesson Contents	:	
	1.	Definition and scope
	2.	Historical backgrounds
	3.	Goals of Pediatric Dentistry
	4.	Ethics in the specialty
	5.	Target population served by specialty
	6.	Comprehensive Treatment in Pediatric Dentistry
Session 8	:	MIDTERM EXAMINATION
Session 9	:	Introduction to Endodontics
Lesson Contents	:	
	1.	Definition and terminology
	2.	Historical background
	3.	Goals of Endodontics
	4.	Diseases of the pulp
	5.	Diseases of the periapical tissues
	6.	Basic principles of endodontic therapy
	7.	Indications and contraindications to endodontic therapy
Session 10	:	Introduction to Oral Surgery
Lesson Contents	:	
	1.	Definition of Oral Surgery
	2.	Oral Surgery staff
	3.	Anaesthesia used in oral surgery
	4.	Examples of oral surgical procedures
	5.	Definition of maxillofacial surgical procedure
	6.	Maxillofacial surgery staff
	7.	Examples of maxillofacial surgical procedures
	8.	Principles of surgery

- Session 11** : Introduction to Fixed Prosthodontics
Lesson Contents :
1. Definition and terminology
 2. Indication and contraindication
- Sessions 12 & 13** : Introduction to Removable Prosthodontics
Lesson Contents :
1. Definition and terminology
 2. Division of Prosthodontics
 3. Types of Removable Prosthodontics
 - a. Complete denture
 - b. Partial denture
- Session 14** : Introduction to Dental Materials
Lesson Contents :
1. Necessity for learning dental materials
 2. Metals in Dentistry
 - a. Pure metals versus alloys
 - b. Types of metal and used in dentistry
 3. Ceramics in Dentistry
 - a. Nature of ceramic materials
 - b. Types of ceramic materials
 4. Polymers in Dentistry
 - a. Basic concepts of polymers
 - b. Types of polymers
- Session 15** : Introduction to Dental Public Health
Lesson Contents :
1. Public served by dentistry
 - a. Population trends
 - b. Utilization of dental services
 - c. Factors influencing the use of dental services
 2. Definition of Dental Public Health.
 3. Dental Public Health program areas.
 4. Patient versus Public Health practice.



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182 PCS
Behavioral Dentistry
SECOND HALF OF ACADEMIC YEAR 2010-2011G

Course Description:

Behavioral dentistry has been defined as the interdisciplinary field concerned with the development and integration of behavioral and bio-dental science knowledge and techniques relevant to oral health and disease, and the application of this knowledge and these techniques to prevention, diagnosis, treatment and rehabilitation.

The objective of this course is to examine the key parameters in the science of behavior and to show how and why this science is critical to the successful practice of dentistry. A competent practitioner can be a better professional by augmenting clinical and technical skills with the application of behavioral scientific principles.

Course Objectives:

Upon completing the course, the student should:

1. Understand how behavioral concepts can be applied to the diagnosis and treatment of dental patient.
2. Know the role of behavior in the dynamics of the doctor to patient relationship.
3. Understand basic interpersonal communication skills and be able to handle special problems in communication.
4. Use the techniques of behavior modification to promote patient compliance with oral therapeutic measures.
5. Know the behavioral view of the provider.
6. Understand the fundamentals of problem solving and conflict resolution.
7. Learn techniques of managing the fearful and apprehensive patient.

Course Organization:

The course is to be developed through lectures and classroom discussion. It is strongly recommend that you read the assigned reading before the lectures to facilitate useful and productive classroom discussion. Hypothetical situations will be created where role playing can be experimented with for greater understanding of concepts.

Readings:

Required Reading: A course notebook including the chapters involved in the course is available at the Copy Center in MUC and DUC.

NOTE : Students are strongly advised to purchase the required notebook for the course.

Assessment:

Quiz	-	10%
Third examination	-	30%
Final examination	-	60%

To obtain a passing grade the student need to have a **final cumulative score of 60%** of all written exams.

Course Contributor:

/Betchay-June 6, 2010

LECTURE SCHEDULE - 182 PCS
Behavior Dentistry
Saturday, 1:00 – 2:00 pm - Room 02/GA (DUC)

Session No.	Date	Topic	Lecturer
1	12 Feb. '11	Introduction to behavioral dentistry Reference: Ingersoll, Chap. 1	Dr. A. Al-Badr
2	19 Feb. '11	Behavioral view of provider Reference: Dworkin, Chap. 5	Dr. A. Al-Badr
3	26 Feb. '11	Basic Communication Skill I Reference: Ingersoll, Chap. 2	Dr. A. Al-Badr
4	5 Mar. '11	Basic Communication Skill 2 Reference: Ingersoll, Chap. 3	Dr. A. Al-Badr
5	12 Mar. '11	Treatment alliance Reference: Chambers, p. 147	Dr. A. Al-Badr
6	19 Mar. '11	Motivation Reference: Harris & Garcia-Godoy, Chap. 16	Dr. A. Al-Badr
7	26 Mar. '11	Behavior modification & compliance Reference: Ingersoll, Chap. 6	Dr. A. Al-Badr
8	2 Apr. '11	MIDTERM EXAMINATION	Dr. A. Al-Badr
9	16 Apr. '11	Interpersonal conflict Reference: Dworkin, Chap. 11	Dr. A. Al-Badr
10	23 Apr. '11	Management of fear & stress Reference: Ingersoll, Chap. 4	Dr. A. Al-Badr
11	30 Apr. '11	Management of pain & discomfort Reference: Ingersoll, Chap. 5	Dr. A. Al-Badr
12	7 May '11	Management of geriatric patients Reference: Ingersoll, Chap. 8	Dr. A. Al-Badr
13	14 May '11	Management of handicapped patient Reference: Ingersoll, Chap. 9	Dr. A. Al-Badr
14	21 May '11	Ethics – personal and professional	Dr. A. Al-Badr
15	28 May '11	REVISION	Dr. A. Al-Badr
		FINAL EXAMINATION	Dr. A. Al-Badr

/Betchay. Sept. 28, 2010 updated

182 PCS
Behavior Dentistry
SESSION OUTLINE

- Session 1** : Introduction to Behavioral Dentistry
Lesson Contents :
1. Definition of Behavioral Dentistry.
 2. Topics of interest.
 3. Behavioral problems from dentist perspective.
 4. Behavioral problems from patients perspective.
 5. Areas of inherent handicap.
 6. Psychological basis of the significance of the oral facial area.
 - Relationship between stress and dental diseases.
 - Nature of psycho-physiological factors.
 - Evidence relating psychological factors to disease.
- Session 2** : Behavioral View of Provider
Lesson Contents :
1. Dentistry as profession.
 2. Stress in dental practice.
 3. Characteristics of students interested in dentistry.
 4. Methods of public use to judge dentist.
- Session 3** : Basic Communication Skills I
Lesson Contents :
1. Importance and characteristics of facilitative communication: warmth, empathy, respect and rapport.
 2. The effectiveness of communication by identifying typical barriers to effective communication.
 3. Listening skills and reflective responding.
 4. Identify important elements of the effective communication helping relationship, especially with regard to dentist-patient interactions.
- Session 4** : Basic Communication Skills II
Lesson Contents :
1. Non-verbal communication.
 2. Persuasion
 3. Special problem in common
 - anger, anxious, depressed patient.

Session 5	:	Treatment alliance
Lesson Contents	:	
	:	1. Interviewing and history taking.
	:	2. Treatment plan and informed consent.
	:	3. Compliance with professional suggestions.
	:	4. Preventive instruction.
Session 6	:	Motivation
Lesson Contents	:	
	:	1. Discuss bloom's hierarchy of education objectives in relation to patient education.
	:	2. Explain how the learning ladder integrates attainment of educational objectives with patient motivation.
	:	3. Discuss how value systems are developed.
	:	4. Defined motivation, and explain the difference between intrinsic and extrinsic motivation.
	:	5. Name the components of the five-tier hierarchy of human needs, as proposed by the humanistic psychologist Abraham Maslow, and explain their relationship to motivation as affluence and learning levels improve.
Session 7	:	Behavior Modification and Compliance I
Lesson Contents	:	
	:	1. Why behavior should be modified?
	:	2. Non-compliance – the scope of the problem.
	:	3. Beliefs systems and compliance: The Health Care Belief Model.
	:	4. Producing behavior change.
Session 8	:	MIDTERM EXAMINATION
Session 9	:	Interpersonal Conflict
Lesson Contents	:	
	:	1. Definition of conflict.
	:	2. Common sources of conflict that occur in dentist – patient interactions.
	:	3. Means for resolving or managing interpersonal and group conflict.
Session 10	:	Management of Fear and Stress
Lesson Contents	:	
	:	1. Define stress, anxiety and fear.
	:	2. Origins and developing of dental fear.
	:	3. Assessment of stress, anxiety and fear.
	:	4. Model of emotional arousal, cognitive appraisal and self-statements.
	:	5. Reducing dental fear.
	:	6. Treatment methods for dental fear.

- Session 11** : Management of Pain and Discomfort
Lesson Contents :
1. Complexities of defining pain: clinical definition vs. operational definition.
 2. Different classes of pain.
 3. Factors affecting an individual's perception of pain.
 4. Pain control strategies and the dentist-patient interaction.
- Session 12** : Management of Geriatric Patients
Lesson Contents :
1. Why special consideration of the elderly?
 2. Demographic of the elderly.
 3. Aging as an interactive process.
 4. Psychological changes of elderly.
 5. Health and disease of elderly.
 6. Dental care management of the elderly.
- Session 13** : Management of Handicapped Patients
Lesson Contents :
1. Who are the handicapped? Definition and classification.
 2. Barriers to dental care.
 3. Attitudes toward disability.
 4. General considerations in care for the disables.
 5. Managing handicapped patients.
 6. Handling difficult patients.
 7. Preventive Dentistry for the handicapped.
- Section 14** : Ethics, personal and professional.
Lesson Contents :
1. Dentist responsibilities in the dental profession.
 - a. Service to the public.
 - b. Promotion of dental practice.
 - c. Ethical conduct (responsibility of a self-government).
 2. Principles of ethics and code of professional conduct.
 3. Some ethical issues concerning practicing dentists.

/Betchay. June 6, 2010