

# National Commission for Academic Accreditation & Assessment

## Course Specification

### Dental Public Health, PDS241, Semester 1, 2014-15

Institution: University of Dammam
College/Department: College of Dentistry

#### A Course Identification and General Information

1. Course title and code: Dental Public Health, PDS241
2. Credit hours: 1
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs): Bachelor of Dental Surgery
4. Name of faculty member responsible for the course: Dr Maha ElTantawi
5. Level/year at which this course is offered: 2 <sup>nd</sup> year
6. Pre-requisites for this course (if any): none
7. Co-requisites for this course (if any): none
8. Location if not on main campus: College of Dentistry and main campus

#### B Objectives

<p>1. Summary of the main learning outcomes for students enrolled in the course.</p> <p>The course introduces the students to the principles of professionalism including ethical conduct towards patients, their families, colleagues and society in addition to how to keep oneself, members of the dental team and the environment safe by following procedures for exposure control and proper management of waste.</p>
<p>2. Briefly describe any plans for developing and improving the course that are being implemented: part of the course assessment methods will be modified by removing the practical assessment of infection control procedures. The procedure used many resources last semester and they were inefficiently wasted.</p>

This semester, the course will focus on the didactic part, leaving application to later when the students go into the clinical phase.

### C. Course Description

#### 1 Topics to be Covered

List of topics	N Weeks	Contact hrs
1. Introduction to the course and Professionalism	1	1
2. Immunization and personal protection	1	1
3. Sterilization and disinfection	1	1
4. Waste disposal, mercury safety and dental unit waterlines	1	1
5. Ergonomics	1	1
6. Dentistry and Patients	2	2
7. Dentistry and Colleagues	2	2
8. Dentistry and Society	1	1
9. Legal and administrative issues	1	1
Group presentations of ethical issues (grs 1-6)	1	1
Exam 1	1	1
Exam 2	1	1
Total		14

#### 2 Course components (total contact hours per semester):

Lecture: 11	Tutorial: 0	Laboratory: 0	Practical/ Field / Internship: 0	Other (assessment activities): 3
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#### 3. Additional private study/learning hours expected for students per week: 0

#### 4. Development of Learning Outcomes in Domains of Learning

##### a. Knowledge

(i) Description of the knowledge to be acquired Not applicable
(ii) Teaching strategies to be used to develop that knowledge Not applicable
(iii) Methods of assessment of knowledge acquired Not applicable
<b>b. Cognitive Skills</b>
(i) Description of cognitive skills to be developed Not applicable
(ii) Teaching strategies to be used to develop these cognitive skills Not applicable
(iii) Methods of assessment of students cognitive skills Not applicable
<b>c. Interpersonal Skills and Responsibility</b>
<p><b>Program outcomes covered:</b></p> <p>IV. 1. Describe the principles of professional ethics in dentistry.</p> <p>IV. 2. Discuss methods of managing and maintaining a safe environment in dental clinics and laboratories.</p> <p>c.i. Description of the interpersonal skills and capacity to carry responsibility to be developed</p> <p>c.i. 1. Discuss the principles of ethical conduct of dentists towards patients</p> <p>c.i. 2. Discuss the ethical commitment of dentists to colleagues</p> <p>c.i. 3. Describe the main features of ethical commitment of the dental profession to the society</p> <p>c.i. 4. Describe measures used for personal protection in the clinic</p> <p>c.i. 5. Describe procedures for sterilization and disinfection</p> <p>c.i. 6. Discuss the proper methods of disposal of waste in dental clinics and labs</p> <p>c.i. 7. Discuss the ergonomic design of instruments and equipment</p> <p>c.i. 8. Resolve dilemmas based on principles governing ethical professional conduct</p> <p>c.i. 9. Select measures to control the spread of infection in dental clinics and labs</p>
<p>(ii) Teaching strategies to be used to develop these skills and abilities</p> <p>c. ii. 1. Lectures</p>

c. ii. 2. Class discussions
(iii) Methods of assessment of students interpersonal skills and capacity to carry responsibility c. iii. 1. Exams (two exams in continuous assessment and one as final assessment) c. iii. 2. Group presentation of ethical issues
<b>d. Communication, Information Technology and Numerical Skills</b>
(i) Description of the skills to be developed in this domain. Not applicable
(ii) Teaching strategies to be used to develop these skills Not applicable
(iii) Methods of assessment of students numerical and communication skills Not applicable
<b>e. Psychomotor Skills (if applicable)</b>
(i) Description of the psychomotor skills to be developed Not applicable
(ii) Teaching strategies to be used to develop these skills Not applicable
(iii) Methods of assessment of students psychomotor skills Not applicable

5. Schedule of Assessment Tasks for Students During the Semester			
N	Assessment task	Week due (Date)	% of Final Assessment
1	Exam 1	29/10/2014	20%
2	Exam 2	3/12/2014	20%
3	Group presentation of ethical issues	17/ 12 (15/ 12)	20%
5	Final exam	28/ 12/ 2014- 4/ 1/ 2015	40%

## D. Student Support

1. Arrangements for availability of teaching staff for individual student consultations and academic advice. Contact course team for questions and to arrange for appointments:

- Dr Balgis Gaafar, email: bgosman@ud.edu.sa
- Dr Thikriat Al-Juwair, email: tsaljewair@ud.edu.sa
- Dr Khalifa AlKhalifa, email: kalkhalifa@ud.edu.sa
- Dr Ashraf Nair, email: manazir@ud.edu.sa
- Course director: Dr Maha ElTantwi, email: mmtantawy@ud.edu.sa

## E Learning Resources

1. Required Text(s): None.

2. Essential References:

**1- *Infection control and management of hazardous materials for the dental team; Miller; 4<sup>th</sup> edition.***

### **Lecture 1: Personal safety and PPE**

- Chapter 10 (pages 116-118 and 122-131).
- Chapter 6(58-65).
- Chapter 9 table 9-1(pages 107-108).

### **Lecture 2: Sterilization and disinfection**

- Chapter 11(pages 136-146, types of sterilizers not included).
- Chapter 12 (pages 172-177).
- Table 12-2 page 179.

### **Lecture 3: Waste Management.**

- Chapter 13(pages 191- 198 current infection control recommendations not included).
- Chapter 16(pages 218-222).

**2- *FDI Dental Ethics Manual, 2007. Will be uploaded on course website. Available at: [issuu.com/mac\\_2.0/docs/10.-fdi-dental-ethics-manual/1](http://issuu.com/mac_2.0/docs/10.-fdi-dental-ethics-manual/1)***

**3- *Finkbeiner BL, Finkbeiner CA. Practice Management for the Dental Team. 7th Edition. Missouri: Mosby, 2011.***

**4- *Irlbacher-Girtel G, Girtel GS. Dental Office Administration. First Edition. Maryland: Wolter Klumer Lippincott Williams & Wilkins, 2010.***

1. Recommended Books and Reference Material (Journals, Reports, etc) (Attach List): None

2. Electronic Materials, Web Sites etc: None
3. Other learning material such as computer-based programs/CD, professional standards/ regulations: None

## **F. Facilities Required**

Indicate requirements for the course including size of classrooms and laboratories (ie number of seats in classrooms and laboratories, extent of computer access etc.)
1. Accommodation (Lecture rooms, laboratories, etc.): class room with adequate seats for 40-55 students with chairs that can be arranged in a circle/ semi-circle.
2. Computing resources: None.
3. Other resources (specify --eg. If specific laboratory equipment is required, list requirements or attach list) : None

## **G Course Evaluation and Improvement Processes**

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching: End of semester course and teacher evaluation survey.
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department: Student feedback during sessions.
3. Processes for Improvement of Teaching: student grades and feedback will be checked against course objectives and teaching team self-assessment and weaknesses acted upon in future improvement plans.
4. Processes for Verifying Standards of Student Achievement (eg. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution): Course content, assessment methods and students' achievement will be periodically reviewed whenever possible with experts in subject matter visiting the College from national and international organizations.
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement: reviewing end of semester student feedback and grades with development of future plans for teaching course in next semesters/ academic years.

## Appendix 1

**Sessions schedule: Wednesday, 11-12 (M), Monday, 11-12 (F)**

N	Session date (Female)	Content	Instructor
1	3/ 9 (1/ 9)	Introduction to the course and Professionalism	Dr ElTantawi
2	10/ 9 (8/ 9)	Safety: immunization and personal protection	Dr Gaffar
3	17/ 9 (15/ 9)	Safety: sterilization and disinfection	Dr Gaffar
4	24/ 9 (22/ 9)	Safety: waste disposal, mercury safety and dental unit waterlines	Dr Gaffar
5	15/ 10 (13/ 10)	Ergonomics	Dr Al-Juwair
6	22/ 10 (20/ 10)	Dentistry and Patients	Dr AlKhalifa
	29/ 10	Exam 1 (males and females)	
7	5/ 11 (3/ 11)	Dentistry and Patients	Dr AlKhalifa
8	12/ 11 (10/ 11)	Dentistry and Colleagues	Dr AlKhalifa
9	19/ 11 (17/ 11)	Dentistry and Colleagues	Dr AlKhalifa
10	26/ 11 (24/ 11)	Dentistry and Society	Dr AlKhalifa
	3/ 12	Exam 2 (males and females)	
11	10/ 12 (8/ 12)	Legal and administrative issues	Dr Nazir
	17/ 12 (15/ 12)	Group presentations of ethical issues (grs 1-6)	Course team

## Appendix 2

### Evaluation methods

#### Topic weight in written exams

Topic	% of question in Exam1, Exam2 & Final Exam	Actual marks allocated to questions/ 80 marks
Professionalism	5	4
Dentist and patients	15	12
Dentist and colleagues	15	12
Dentist and society	10	8
Legal and administrative issues	5	4
Immunization and personal protection	15	12
Sterilization and disinfection	15	12
Waste disposal, mercury safety and dental unit waterlines	15	12
Ergonomics	5	4

#### Group presentations of ethical issues

Your group is given a scenario describing an ethical problem related to dental practice. Your task is to provide arguments for the resolution of the problem using different approaches and/ or ethical principles. The important thing is to:

- Explain the different points of view that are involved in the scenario
- Link these points to ethical principles that they represent in your opinion
- State clearly the course of action you recommend and the basis for this.

Specific instructions are given with each scenario. Your group's activities in this task are graded based on the presentation and a written report of your discussion of the scenario.