



Course Syllabus Second Semester 1437 Hijri

Course title and code:	DEH 347 – Clinical Dental Hygiene II
Department:	Dental Health
Program:	Dental Hygiene
Credit hours:	1 + 3 = 4 (Lecture + Clinic)
Total contact hours per semester:	15 + 117 = 132 (Lecture + Clinic)
Level at which the course is offered:	Six
Course prerequisites:	DEH 321 & DEH 462
Time:	Lecture: Sunday 12 – 1pm Clinic: Sunday, Monday, & Wednesday 9 – 12pm
Location:	Lecture: College of Applied Medical Sciences, Building 11, Room G73 Clinic: College of Dentistry, Building 10, DEH clinics
Course faculty:	Course coordinator: Dr. Kauser Parveen Co-coordinator: Ms. Demah ALGheithy Clinical faculty: Dr. Ghada Hassan Ms. Areej ALSiwat Ms. Nuha Ahmad Ms. Zainab ALKhayat Ms. Haya ALAyadi
Contact information:	Dr. Kauser Parveen
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Faculty website:	http://faculty.ksu.edu.sa/73948
Office hours:	Sunday & Monday 8 – 9am; Tuesday 12 – 1pm; & Wednesday 11 – 12pm
Contact information:	Ms. Demah ALGheithy
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Faculty website:	http://fac.ksu.edu.sa/dalgheithy/home
Office hours:	Sunday 8 – 9am & Tuesday 9 – 11am

Course description: This course is a continuation of the previous clinical practice course and includes the treatment of special patient populations, individualized patient counseling and management, advanced periodontal instrumentation, introduction to ultrasonic scaling and air-powder polishing devices, and the delivery of local anesthetic and antimicrobial agents.

Course objectives: After completion of the course the student will be able to:

- Classify periodontal conditions according to the different classification systems.
- Manage patients that have different medical conditions during dental hygiene care.
- Perform oral prophylaxis and scaling procedures on patients having significant periodontal involvement.
- Safely utilize the powered scaling device on select patients while maintaining appropriate infection control measures.
- Apply advanced periodontal instrumentation techniques and advanced intraoral/extraoral fulcrums and/or hand rests during the dental hygiene care of patients.
- Differentiate between coronal and air-powder polishing indications, equipment and techniques.
- Educate patients on the control of their oral disease.
- Perform dental hygiene care for different patient categories with special concerns such as treatment of sensitive teeth or acute/chronic periodontal conditions.
- Safely administer topical and/or local anesthetic agents for pain control during dental hygiene treatment of patients.
- Perform bleaching of teeth on select cases.

Teaching strategies:

- Lectures
- Class discussions
- Hands-on clinical observation and/or application
- Use of educational videos
- Case studies and/or critical thinking tasks
- Reading assignments
- Worksheets related to discussed topics

Learning resources:

Required text (s):

- Clinical Practice of the Dental Hygienists, Wilkins E.M., 11th Edition, Lippincott Williams and Wilkins.
- Fundamentals of Periodontal Instrumentation, Jill S. Nield-Gehrig, 7th Edition, Lippincott Williams and Wilkins.

Supplemental references:

- Dental Hygiene Theory and Practice, by Darby Walsh, 3rd Edition, Saunders.
- Carranza's Clinical Periodontology, 9th Edition.
- Patient Assessment Tutorials, Jill S. Nield-Gehrig, 3rd Edition, Lippincott Williams and Wilkins.
- Fundamentals of Operative Dentistry: A contemporary approach, 2010.

Recommended journals:

- Journal of Dental Hygiene
- Journal of Periodontology
- Journal of Dental Education
- Saudi Dental Journal

Electronic materials & websites

- <http://www.dentalcare.com/>
- <http://www.sds.org.sa/ar>
- <http://www.adha.org/>
- [http://jada.ada.org/article/S0002-8177\(14\)00019-1/pdf](http://jada.ada.org/article/S0002-8177(14)00019-1/pdf)

Course outline for the lecture component of the course:

Week/ date	List of topics	Contact hours
1 17/1/2016	An overview of the course content, methodology, evaluation system and references.	1
2 24/1/2016	<ul style="list-style-type: none"> • QUIZ #1 (on previous knowledge of periodontal classifications) Review of periodontal classifications and periodontal conditions <ul style="list-style-type: none"> • Carranza's clinical Periodontology – 9th edition 	1
3 31/1/2016	Continuation of previous topic: periodontal conditions in depth including CAL and use of radiographs. <ul style="list-style-type: none"> • Carranza's clinical Periodontology – 9th edition 	1
4 7/2/2016	Medically compromised patients and antibiotic prophylaxis. <ul style="list-style-type: none"> • Wilkins, 11th edition: Ch 9, 65, 66, 67 68 • Article: The use of prophylactic antibiotics prior to dental procedures in patients with prosthetic joints (http://jada.ada.org/article/S0002-8177(14)00019-1/pdf) 	1
5 14/2/2016	<ul style="list-style-type: none"> • QUIZ #2 (on medically compromised patients and antibiotic prophylaxis) Advanced periodontal instrumentation techniques and advanced fulcrums and/or hand rests. <ul style="list-style-type: none"> • Jill S. Nield-Gehrig: Module 20 	1
6 21/2/2016	<ul style="list-style-type: none"> • QUIZ #3 (on advanced periodontal instrumentation techniques and fulcrums and/or hand rests) Topical and local anesthesia delivery. <ul style="list-style-type: none"> • Wilkins, 11th edition: Ch 37 	1
7 28/2/2016	<ul style="list-style-type: none"> • MIDTERM I scheduled on 28th February 2016 = 19/5/1437 Hijri at 12 – 1pm 	1
8 6/3/2016	Continuation of previous topic: topical and local anesthesia delivery in addition to delivery of Oraqix. <ul style="list-style-type: none"> • Wilkins, 11th edition: Ch 37 • Article and handout on Oraqix 	1
MID SEMESTER BREAK 11th – 19th March 2016 = 2 – 11/6/1437 Hijri		
9 20/3/2016	<ul style="list-style-type: none"> • QUIZ #4 (on topical and local anesthesia delivery) Powered scalers (sonic and ultrasonic scaling devices) and nonsurgical periodontal instrumentation. <ul style="list-style-type: none"> • Wilkins, 11th edition: Ch 39, Pg 608 – 638 • Jill S. Nield-Gehrig: Module 25 & 26 	1
10 27/3/2016	Air-powder polishing. <ul style="list-style-type: none"> • Wilkins, 11th edition: Ch 44, Pg 703 – 706 	1
11 3/4/2016	<ul style="list-style-type: none"> • QUIZ #5 (on powered scalers, nonsurgical periodontal instrumentation and air-powder polishing) Management of patients with hormonal changes. <ul style="list-style-type: none"> • Wilkins, 11th edition: Ch 48, 49, 52 	1
12 10/4/2016	Dental bleaching <ul style="list-style-type: none"> • Gg 	1
13 17/4/2016	<ul style="list-style-type: none"> • MIDTERM II scheduled on 17th April 2016 = 10/7/1437 Hijri at 12 – 1pm 	1
14 24/4/2016	Group task and/or discussion related to a predetermined clinical topic.	1
15 1/5/2016	Revision	1
16 – 18	Final Written Exam	2

Outline of assessment tasks for students during the semester:

Assessment task	Week and/or date due	Proportion of course grade
LECTURE 20% distributed as follows:		(22%)
• Midterm I	Week 7 = 28/2/2016	10%
• Midterm II	Week 13 = 17/4/2016	10%
• 5 quizzes	Week 2, 5, 6, 9, & 11	2%
CLINIC 37% distributed as follows:		(37%)
• Attendance & professionalism	Continued assessment: weeks 3 – 15	3%
• Patient requirements	Continued assessment: weeks 3 – 15	10%
• Continued clinical evaluation	Continued assessment: weeks 3 – 15	10%
• 10 Skill evaluations	Weeks 3 – 14 with specific dates for each	5%
• 2 Learning enhancement assignments	Week 8 & week 12	5%
• Case study assignment	Week 14	5%
FINAL EXAM 40%	During weeks 16 to 18 = 8 to 26/5/2016	(40%)
		Total = 100%

Required Assignments:

#	Assignments	Evaluation criteria	Week & date due
1	Medical history learning enhancement assignment	According to evaluation form	Week 8 = 6/3/2016
2	Instrument sharpening learning enhancement assignment	According to evaluation form	Week 12 = 10/4/2016
3	Case study assignment	According to evaluation form	Week 14 = 24/4/2016

Clinical Requirements:

#	Case type	Number required
1	Simple cases: (gingivitis) <ul style="list-style-type: none"> • 0 calculus rating (maximum 1 patient) • 01 calculus rating 	10 patients
2	Moderate cases: (periodontitis and medically compromised) <ul style="list-style-type: none"> • 02 calculus rating • 03 calculus rating 	5 patients
TOTAL		15 patients

#	Clinical task	Number required
1	Local anesthesia	1
2	Desensitizing agent	2
3	Polishing of amalgam	2
4	Fissure sealant	4
5	Subgingival irrigation	2
6	Dental bleaching	1

#	Process evaluation	Week for evaluation
1	Probing	Week 5
2	Exploring	Week 5
3	H6/7 sickle scaler	Week 6
4	34/35 jacquette	Week 6
5	Universal curette	Week 7
6	Gracey 11/12	Week 7
7	Gracey 13/14	Week 7
8	Coronal polishing	Weeks 4 – 14 while performing coronal polishing on a patient
9	Fissure sealant	Weeks 4 – 14 when applying fissure sealant for an indicated patient
10	Instrument sharpening	Weeks 4 – 14 when instruments require sharpening prior to patient care

Criteria for evaluation:

- Quiz and exam grades on topics discussed in classed and cumulative information from past clinical courses.
- Class discussions, participation and assignment submissions are required: lack in any of these areas may result in point deductions from the course grade. Assignments will be graded according to the given evaluation criteria for each assignment.
- Clinical evaluation abides by the King Saud University, Dental Hygiene Program Clinic Manual that includes the following:
 - a) Guidelines for the Dental Hygiene Clinical Session
 - b) Course Directors, Instructors, and Students Responsibilities
 - c) Clinical Session Guidelines
 - d) Dental Hygiene Visit Guidelines
 - e) Clinical Evaluation Criteria/ Grading System and List of Clinic Major/Minor Errors
- Process evaluations are graded according to the skill evaluation criteria used for student learning in the preclinical and clinical courses prior to this course.

Course rules:

Name of class leader: "Insert name here"

Duties of the Class leader:

- Responsible for ensuring that handouts or other educational materials received from the instructor are distributed to all students.
- Contacts instructor for any suggestions or comments from students.