



Jordan University of Science and Technology
 Faculty of Applied Medical Sciences
 Department of Applied Dental Sciences
 2013-2014
 Course Syllabus

Course Information	
Course Title	Clinical Oral Hygiene I
Course Code, credit hours	ADS 481, 3 practical hours, 1 theoretical hour
Prerequisites	ADS 381 or corequisite
Instructor	Arwa Mahasneh,
Office Location	
E-mail	ammahasneh@just.edu.jo
Teaching Assistant(s)	
Course Description	
<p>Theoretical part: Continuation of the study of the theoretical foundations of the preventive and therapeutic oral services used in (1) the dental hygiene process and (2) the specialties of endodontics, pediatrics dentistry, orthodontics, forensics, oral surgery, cosmetics dentistry and prosthodontics. Also, it emphasizes on the principles of periodontics and evaluation of periodontal disease.</p> <p>Clinical Laboratory part: Continued development of clinical proficiency and decision making in rendering comprehensive preventive oral health services using the dental hygiene process. Emphasis is on clinical application and development of skill in maintenance, management and evaluation of the periodontal client; treatment planning, disease control strategies and scaling, and root debridement for individuals who have periodontal disease.</p>	

Textbook	
Title	<i>Dental Hygiene Theory & Practice</i>
Author(s)	Darby ML, Walsh MM
Publisher	Elsevier Saunders
Year	2010
Edition	3 rd edition
Other references	<p><i>Dental Hygiene clinical Manual: 2010-2011</i>. Applied Dental Sciences Department, Allied Dental Sciences, Jordan University of Science and Technology, Irbid</p> <p>Nield-Gehrig, J.S. <i>Fundamentals of Periodontal Instrumentation</i>, ed 6 Philadelphia, Lippincott Williams and Wilkins, 2008</p> <p>Darby, ML. <i>Comprehensive Review of Dental Hygiene</i>, ed 6. Elsevier</p>

	Saunders, 2006 Nield-Gehrig, J.S. <i>Fundamentals of Periodontal Instrumentation</i> , ed 6 Philadelphia, Lippincott Williams and Wilkins, 2008 Wilkins E. <i>Clinical Practice of the Dental Hygienist</i> . 10th ed. Philadelphia: Lippincott Williams & Wilkins; 2009.
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Assessment		
Assessment	Expected Due Date	Percentage
Intra-semester Evaluation		60%
Theoretical/ Mid Term exam	TBA	10%
Practical		50%
cases book/ First part	TBA	20%
Number of patients and Clinical competencies/ First part	TBA	10%
Comprehensive services/ First part	TBA	5%
Number of patients and Clinical competencies/ Second part	TBA	10%
Comprehensive services/ Second part	TBA	5%
Final Evaluation		40%
Theoretical	TBA	20%
practical / cases book/ Second part	TBA	20%

Course Objectives
Describe the microbiology and immunology of dental plaque
Compare and contrast the clinical and histopathological characteristics of gingivitis and periodontitis.
Explain the concepts and therapies of non-surgical periodontal treatment
Recognize predisposing and etiologic risk factors that require intervention to prevent periodontal diseases
Select, obtain and interpret diagnostic information recognizing its advantages, disadvantages and limitations in relation to periodontal diseases.
Analyze clinical signs and symptoms to differentiate between different types of periodontal diseases.
Implement and work effectively in a non-surgical periodontal therapy program in clinical practice settings
Use supportive treatment procedures to meet the oral care needs of clients.
Advocate the use of local drug delivery therapies as an adjunct to dental hygiene care
Value the dental hygienists role in providing non-surgical periodontal therapies

within the scope of dental hygiene practice.
Critique scientific articles and make decisions about studies validity.
Manage periodontal emergencies within the scope of dental hygiene practice.
Effectively use powered scalers and the air polisher to more effectively manage dental hygiene care

Teaching & Learning Methods
Power point presentation, seminar/discussion, reading assignments demonstration, clinical application,

Additional Notes		
PART I: Daily Clinical Performance (Continuous Assessment) Evaluation Criteria/ cases book		
Procedure/Skill	% Weight	Error Margin for Mastery
ASSESSMENT	20%	---
Medical/Dental History	3%	1
Oral Examination	3%	1
Dental Charting	4%	2
Periodontal charting/assess.	10%	1 gingivitis & early periodontitis 2 mod & advanced periodontitis
PRELIMINARY DH. DIAGNOSIS	5%	1
Treatment planning	5%	1
IMPLEMENTATION	50%	---
Oral health instruction	5%	1
Scaling/Root planning/Debridement	40%	1 gingivitis & early periodontitis 2 mod, 3 advanced periodontitis
Selective stain removal	5%	1
RADIOGRAPHS	4%	---
Assessment pt. need	2%	1
Interpretation/utilization	2%	1
Evaluation of DH treatment	1%	1
MANAGEMENT	15%	---

Professionalism/Ethics/Attitude/Decision making	5%	1
Prevention of disease transmission/Infection control	10%	1

- the grade of the cases book can be calculated as the following:
For each procedure/ skill : The number of (M_s)/ total of (M_s+N_s) * %
Weight
The grade out of 20%: The total of weights * 20% /100%

PART II – Required number of patients and clinical competencies

CLIENTS	Number	LIMITS
*Required number	10 minimum	
* Clinical Competencies	10	
Pedo	2	Age 12 and under
Ortho	2	Any client
Heavy Calculus	3	Class 3 or 4 calculus
Perio Involved	3	Perio class 2 or higher

- *Half number of required patients (5 patients) must be completed before 24-11-2013; the other half must be completed before the last day of clinics
- *Half number of required Clinical Competencies (5) must be completed before 24-11-2013, the other half must be completed before the last day of the clinics
- It's the student's responsibility to write the name of completed patients and reevaluation cases in the specified form during the same session, and have that signed by the same faculty who supervised the case.
- To consider the case as completed; the following procedure should be done: dental hygiene assessment, preliminary diagnosis, treatment planning, and implementation phase.
- Each incomplete number of the required 10 patients will result in one point deduction from the final grade.
- Each unmet requirement of the required 10 Clinical Competencies will result in one point deduction from the final grade.
- Two requirements may be met with one client. ie. Type 3 perio, class 4 calculus.
- It is the responsibility of the student to schedule a patient's appointment ahead of time on the front desk to meet the requirements; otherwise the front desk will automatically schedule any patient in the available dates

PART III: Comprehensive dental hygiene services: A minimum of three errors is needed to pass the evaluation. -1 equals 0.9, -2 equals 0.8, and 3 equals 0.7. Instructor will grade the form and record the grade in the COMPREHENSIVE SERVICES book in the clinic.

	Number		Weight
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Fluoride Application	1		1%
Pit & Fissure Sealants: Light Cure/Acid Etch (minimum one tooth)	1		1%
Extrinsic Stain Removal	1		1%
Gingival and plaque index	1		1%
Infection Control	1		1%
Total	5		5%
Oral Health Instruction	1		1%
Pit & Fissure Sealants: Light Cure/Acid Etch (minimum one tooth only)	1		1%
Fluoride Application	1		1%
Evaluation of dental treatment	1		1%
Extrinsic Stain Removal	1		1%
Total	5		5%

NOTES:

- No extra clinic is available at any time to complete requirements
- It is the **student's responsibility to obtain patients for completion of requirements**
- **All patients MUST BE DISMISSED from clinic in a.m. at 11:45. and in p.m. session by 3:45 p.m.**

- ❖ **Attendance policy:** Students must attend all the scheduled dental hygiene clinics. For necessary *accused absence* e.g. family emergency, extreme illness, etc., please *contact course coordinator immediately*.
- ❖ **Unexcused absences will result in a grade of zero for that date per session missed. Late attendance for more than 10 minutes will be considered unexcused absence.**

It's the student's responsibility to contact the clinic director and the patient to cancel the appointment and arrange another appointment.

- ❖ **Clinic sessions begin immediately at 9:00 a.m, & 1:30 p.m:**
- ❖ Students are expected to arrive to the clinic no later than *10 minutes prior* to the scheduled clinic time. Students are required to be prepared with their lab coats, nametags, heavy duty gloves, clinic manual, colored pencils, and protective eyeglasses in each clinic and have their assigned cubicle prepared. **Late attendance for more than 10 minutes will be considered unexcused absence**
- ❖ **Clinical dental hygiene sessions are scheduled for 3 full time hours:**

Students must *not leave* clinic earlier or without permission from the assigned faculty

FEEDBACK: Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail

ADS 434/481 Theoretical Part Outline

**** Course Content and Practical part planner are subjected to change and modifications according to changes that may occur during the semester**

Topic	Assignments	Arwa Mahasneh
Introduction to the course and clinic	Syllabus distribution	Arwa Mahasneh
Extrinsic Stain Removal, Selective Polishing Care & Maintenance of the Handpiece Enamel Abrasion & Polishing Agents Criteria for Evaluation	Nield-Gehrig Patient Assessment Tutorials Module 11 Gingival Description Nield-Gehrig Fundamentals of Periodontal Instrumentation Module Cosmetic Polishing	Arwa Mahasneh
The Dental Hygiene Process of Care Evaluation	Darby and Walsh, Ch 17 Manual Pg.42-44	Arwa Mahasneh
Dental Hygiene Practice - Powered Scaling Devices a. Principles of application b. Patient selection c. Precautions d. Procedures Advantages/Disadvantages	Wilkins pgs 660-673	Arwa Mahasneh

Prophylactic Antibiotic Pre-medications	Chapter 9 <i>Dental Hygiene Theory & Practice</i>	Arwa Mahasneh
Periodontal Maintenance 1. Re-care 2. Non-surgical management 3. Intervals	Neild-Gehrigh: Ch. 23	Arwa Mahasneh
Periodontal Surgical Concepts a. Rationale b. Overview of Types c. General Considerations d. Role of Dental Hygienist e. Patient management	Neild-Gehrigh Chpt. 25	Arwa Mahasneh
Mid Term Exam	All previous material	Arwa Mahasneh
Chemical Agents for Care a. Mouth rinse Therapy b. Active Ingredients c. Claims d. Usage guidelines e. ADA review Guidelines	Neild-Gehrigh chpt 22 Wilkins Chpt. 34	Arwa Mahasneh
Desensitization a. Patient selection b. Effectiveness c. Differential diagnosis d. Types of agents e. Procedures	Wilkins Chpt. 41	Arwa Mahasneh
Implementation: 1. Limitations of Non-surgical Therapies 2. Furcation Instrumentation 3. Root anatmoy 4. Periodontal categories of care	<u><i>CE Course Root Morphology (P&G Website)</i></u> <u>Neild-Gehrigh; Fundamentals of Perio Instrumentation; Chpt 25 469-471</u>	Arwa Mahasneh

<p>Controlled Release Periodontal Therapies Arestin®, Atridox® Periochip® a. Patient Selection b. Effectiveness/ Characteristics c. Placement d. Advantages/disadvantages</p>	<p>Wilkins Ch. 38 Neild-Gehrig chpt 22 <i>AAP Position Paper</i> <i>www.perio.org</i> <i>The Role of Controlled Drug</i> <i>Delivery Therapy for Periodontitis</i></p>	<p>Arwa Mahasneh</p>
<p>Final exam</p>	<p>All of the covered materials</p>	

Symbols to be used for the Classifications of periodontal diseases

Gingivitis:

- Mild plaque-induced gingivitis **(mild Ging)**
- Moderate plaque-induced gingivitis **(Mod Ging)**
- Sever plaque-induced gingivitis **(Sev Ging)**
- Other types of gingivitis (e.g. gingivitis associated with systemic diseases **(Modified Ging)**)

Periodontitis:

slight chronic periodontitis	(CI II)
Moderate chronic periodontitis	(CI III)
Advanced chronic periodontitis	(CI IV)
Generalized/ Localized Aggressive periodontitis	(CI V Gen./ Loc.)

Others (emergency cases) including:

Pericoronitis	(CI VI pericoronitis)
Necrotizing Ulcerative Gingivitis	(CI VI NUG)
Necrotizing Periodontitis	(CI VI NP)
Acute Herpetic Gingivostomatitis	(CI VI AHG)
Gingival Enlargement	(CI VI Ging. ENLG)
Primary/ Secondary Occlusal Trauma	(CI VI Pri.OT/ Sec OT)

