



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Allied Dental Sciences Department**

ADS381 Clinical Oral Hygiene 1

First Semester 2021-2022

**Course Catalog**

1 Credit Hours. Introduction into the fundamental concepts, theories, and principles of dental hygiene practice. Theoretical background necessary for providing dental hygiene services to clients including the dental hygiene process of care (assessment, diagnosis, planning, implementation and evaluation), instrument selection, basic instrumentation, and ergonomics will be covered. Students will practically apply those principles and skills in ADS 383 Clinical Dental Hygiene 1 Practical Course. They must successfully achieve pre-clinical competencies to advance to the clinical aspect of the program where they start providing dental hygiene services to patients.

**Text Book**

<b>Title</b>	Fundamentals of Periodontal Instrumentation
<b>Author(s)</b>	Nield-Gehrig, J.S.
<b>Edition</b>	8th Edition
<b>Short Name</b>	Required Text
<b>Other Information</b>	Philadelphia, Lippincott Williams and Wilkins, 2010

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Clinic Manual	Clinical Dental Hygiene Manual- Part I	JUST	1st Edition	2011/ 2012

**Instructor**

Name	<b>Miss Suhair Obeidat</b>
Office Location	AMS 2nd floor
Office Hours	Sun : 11:00 - 13:00 Mon : 08:30 - 09:30 Mon : 12:30 - 13:30 Tue : 08:30 - 09:30 Wed : 12:30 - 13:30
Email	saobeidat@just.edu.jo

Class Schedule & Room	
Section 1:	Lecture Time: Sun : 10:00 - 11:00 Room: PH2104
Section 2:	Lecture Time: Sun : 13:00 - 14:00 Room: منصة الكترونية

Prerequisites		
Line Number	Course Name	Prerequisite Type
523512	ADS351 Periodotics (1)	Pre./Con.

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction to the course and clinic Explain Dental Hygiene Clinical Manual-Part I	
Week 2	Assessment: Medical, Dental, & Pharmacologic Histories	
Week 3	- Vital Signs - What to do in case of an emergency	
Week 4	Instrument Grasp: modified-pen grasp - Uses of dental mirror and compressed air/ isolatio- Fulcrum & finger rest for mouth mirrors - Wrist position for instrumentation	<b>Module 3 p. 49-57, Module 5 Anterior Rests Module 6 Mandibular Posterior Rests Module 7 Maxillary Posterior Rests From Required Text</b>
Week 5	INSTRUMENT DESIGN AND CLASSIFICATION - Identification, handles, shanks, and working ends - Instrument classification: - Terminology - Assessment instruments (periodontal probes, explorers) - Debridement instruments (sickle scalers, periodontal files, universal curets, area-specific curets)	<b>Module 8 Instrument Design and Classification From Required Text</b>
Week 6	Principles of Periodontal Instrumentation: - Instrument Adaptation - Angulation - Activation: hand-forearm and digital motion - Instrumentation strokes: Stroke direction/pattern - Stabilization - Lateral pressure - Shank position/ parallelism	<b>Modules 10 Adaptation Module 11 Instrumentation Strokes From Required Text</b>
Week 7	Use of Hand-Activated Instruments in Anterior Sextants and Sickle Scalers	<b>Module 19 Problem Identification From Required Text</b>
Week 8	Principles & Theories of Instrumentation: Periodontal Explorers (Universal Explorers) and Dental Explorers - Inspection of the Teeth, Use of Explorers, Tooth Surface Irregularities, calculus - Use of explorer in dental caries detection (current changing philosophy) Mid-term Exam	<b>Module 13 Explorers Module 22 (Patient Cases only) From Required Text</b>

Week 9	Use of Hand Activated Instruments in Posterior Sextants, Techniques for Successful Use of Gracey Curets, Root Morphology Considerations	<b>Module 19 Area Specific Curets Module 21 Advanced Instruments</b> From <b>Required Text</b>
Week 10	Theories on the Development of Dental Biofilm, Soft Deposits, Calculus & Stain Composition, Oral Microbiology and Classification, Effects on Oral Cavity and Rationale for Removal Describing and recording deposits	
Week 11	Principles & Theories of Instrumentation: Universal Instruments	<b>Module 17 Universal Curets</b> From <b>Required Text</b>
Week 12	Dental Hygiene Process: ASSESSMENT- Periodontal Assessment & Charting I - Uses of the Periodontal Probe - Probing pocket depth - Gingival recession & CAL	<b>Module 12 Calibrated Periodontal Probes and Basic Probing Technique Module 18 Advanced Probing Techniques</b> From <b>Required Text</b>
Week 13	Dental Hygiene Process: ASSESSMENT- Periodontal Assessment & Charting II - MG examination - Furcation Involvement (FI) - Mobility	<b>Module 12 Calibrated Periodontal Probes and Basic Probing Technique Module 18 Advanced Probing Techniques</b> From <b>Required Text</b>
Week 14	Dental Hygiene Process: Guided Biofilm Therapy	
Week 15	Final Practical Exams Week	
Week 16	Final Theoretical Exams Week	

<b>Mapping of Course Outcomes to Program Student Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
Apply ergonomic patient, operator, and light positioning principles during patient care.	10%	
Perform complete and accurate dental hygiene assessment including health history, dental history, pharmacologic history, vital signs, and oral deposits and develop skills for accurate, consistent and complete dental hygiene services documentation.	20%	
Apply correct dental hygiene instrumentation techniques including modified pen grasp, intra- and extra-oral, hard and soft tissue fulcrum/ finger rest, adaptation, activation, angulation, and stroke.	20%	
Exhibit correct use of dental explorers (caries detection versus periodontal explorers) for dental calculus, dental caries, dental restorations, and tooth/root anatomy assessment.	20%	
Demonstrate correct adaptation, angulation, and activation for supra- and sub-gingival dental calculus removal when using sickle scalers, universal and Gracey curets. Demonstrate correct adaptation, angulation, and activation for explorers and periodontal probes.	30%	

<b>Evaluation</b>
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Assessment Tool	Weight
Midterm Exam	50%
Final Exam	50%

Policy	
Attendance	<p>Statement of Student Responsibilities and Accountabilities</p> <p>Attendance. JUST POLICY REGARDING ABSENCES WILL BE FOLLOWED</p> <p>Due to the unique responsibilities associated with becoming a competent professional person and provider of healthcare, and the progressive nature of the curriculum and its importance to the provision of quality health services, attendance and class participation are required. Should an absence be necessary, contact the course coordinator immediately within 3 days at: saobeidat@just.edu.jo.</p> <p>A note from a physician, student health center nurse or other appropriate individual must be submitted to constitute an excused absence.</p> <p>Late arrivals to class of more than 10 minutes are considered to be unexcused absences.</p>
Make-up Exams	Make up exams for unexcused absences will not be given.
Honor Code	By attending JUST you are accepting the responsibility to abide by the following Honor Code: "We, the dental hygiene students aspire to be honest and forthright in our academic endeavors. Therefore, we will practice honesty and integrity. We will meet the challenge to be beyond reproach in our actions and our words. We will conduct ourselves in a manner that commands the dignity and respect that we also give to others." This commitment applies to all assignments
Plagiarism	All academic work submitted to fulfill a course requirement is expected to be result of each student's own thought, research and self-expression (unless otherwise specified as a group project). A student will have committed plagiarism if he or she reproduces someone else's work without acknowledging its source; or if a source is cited which the student has not cited or used. Examples of plagiarism include: submitting a research paper obtained from a commercial research service, the Internet, or from another student as if it were original work; making simple changes to borrowed materials while leaving the organization, content, or phraseology intact; or copying material from a source, supplying proper documentation, but leaving out quotation marks. Plagiarism also occurs in a group project if one or more of the members of the group does none of the group's work and participates in none of the group's activities, but attempts to take credit for the work of the group. Commitment of the Acts of Cheating and deceit such as copying during examinations is dishonest and will not be tolerated; JUST policy will be applied
Feedback	Concerns or complaints should be expressed in the first instance to the course instructors. 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 to the following addresses saobeidat@just.edu.jo

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