Jordan University of Science and Technology

Faculty of Applied Medical Sciences

Allied Dental Sciences Department

ADS383 Clinical Oral Hygiene 1 Practical

First Semester 2021-2022

Course Catalog
2 Credit Hours. Practical application of the fundamental concepts, theories, and principles of dental hygiene practice. Emphasis is placed on mastering basic skills 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. Students 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	
Title	Fundaments of Periodontal Instrumentation
Author(s)	Nield-Gehrig, J.S.
Edition	8th Edition
Short Name	Required Ref
Other Information	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	Clinic Manual

Instructor	
Name	**Miss Suhair Obeidat**
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: Mon : 09:30 - 12:30 Room: HOSPITAL Section 2: Lecture Time: Mon : 13:30 - 16:30 Room: HOSPITAL Section 3: Lecture Time: Mon : 13:30 - 17:30 Room: HOSPITAL

Teaching Assistant
Technician Abdelmalik Tabanjeh(Section 2), Technician Abeer Qutaish(Section 1)

Prerequisites		
Line Number	**Course Name**	**Prerequisite Type**
523810	ADS381 Clinical Oral Hygiene 1	Pre./Con.

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Introduction and orientation into the course Unit identification & Set-up, infection control Group Demonstrations 1. Dental Unit Identification (Handout), and Dress Code 2. Environmental Surface Disinfection (manual pg 83, A-F, P.57-58) 3. Barrier Placement, Hand washing, Infection Control during appointment, between patients (manual p.83-86) and at the End of Day (manual p. 85G 1-12)	**Manual pgs. 83-86, 57-58** From **Clinic Manual**
Week 2	Medical History & Vital Signs SWITCH PARTNERS 1. Unit Infection Control/Set-Up 2. Medical, Dental, & pharmacologic History 3. Demonstration of vital signs (radial pulse, respiration, blood pressure) 4. Students practice (Switch partners): Medical History & Vital signs (& signatures) 5. End of session infection control MH Cases Distribution (TA) Positioning (operator, patient, & light) 1. Demonstration of the Principles of Positioning (patient, operator, light) - Neutral position for the clinician - Patient position - Patient position relative to clinician (tooth surfaces towards and away) - Dental light position - Position terminology - Clock positions 2. Students practice (Switch partners): a. BP, Pulse, and respiration b. Nield-Gehrig, Fundamentals of Periodontal Instrumentation Module 2 Positioning for Anteriors c. Positioning for posterior sextants d. Patient/ Operator Positioning, Lighting 3. End of Session Infection Control	**Modules 1 & 2** From **Required Ref**, **- Manual p. 11 and 12: MH Policies and concerns - Manual Practical #2: MH (p. 59-62)** From **Clinic Manual**
Week 3	Quiz: Infection control and positioning Practice on partners: Practical #1 (Blood pressure) and Practical #2 (Positioning) , Practical Examination # 1: Blood pressure Student practice: - BP, Pulse, and respiration - Unit set-up & infection control - Positioning (practical #2 from casebook)	**Modules 2** From **Required Ref**

Week 4	1. Student practice: HH (Talk about MH Cases) 2. Use of DDR 3. Positioning (Review Practical #2 from case book) Modified pen grasp, mouth mirror, fulcrum, & finger rest in anterior and posterior sextants and compressed air - Infection Control/Unit Set-Up - Medical History & Vital signs (signatures) Students will practice: 1. Practice with partner: Patient/Operator positioning/lighting 2. Modified pen grasp, mouth mirror, fulcrum, finger rest (hold 1 saliva ejector in dominant hand & mouth mirror in non-dominant hand): a. Mouth mirror and compressed air/Isolation: Mirror & finger rest for anterior sextants, Mirror & finger rest for posterior sextants b. Transillumination, Nield-Gehrig	**Module 3 and 4,5,6,7** From **Required Ref**
Week 5	Practical Examination #2: Positioning Student Practice (See practical #3 from case book): Modified pen grasp, mouth mirror, fulcrum, finger rest in anterior and posterior sextants Practice with Partner: 1. Patient/Operator Positioning, Lighting 2. Mouth Mirror and Compressed Air 3. Hold 1 saliva ejector in dominant hand and mouth mirror in non-dominant hand Instrument Identification & Classification 1. Quiz : HH and Vital Signs 2. Catch up Practical Examinations (for excused absences only) Student Practice: (See practical #3 from case book) - Modified pen grasp, mouth mirror, fulcrum, finger rest in anterior and posterior sextants (hold mouth mirror in non-dominant hand and anterior sickle scaler/ Gracey 1/2 curet in dominant hand)	**Module 3 and 4,5,6,7** From **Required Ref**
Week 6	Student practice: - Instrument Design and classification - Positioning - Modified pen grasp, mouth mirror, fulcrum and finger rest Introduction into Instrumentation Principles: adaptation, angulation, activation (digital & hand-forearm motion), rolling, assessment and calculus removal strokes, lateral pressure, strokes pattern and direction (ON MODELS) Demonstration on Typodonts: 1. Anterior Sickle Scalers 2. Anterior Gracey curets Students will practice on typodonts: these hand, arm and wrist actions Learning Activities: Nield-Gehrig Instrumentation principles: adaptation, angulation, activation (digital & hand-forearm motion), rolling, assessment and calculus removal strokes, lateral pressure, strokes pattern and direction Demonstration and practice on partners (Anterior sickle scaler and anterior Gracey curet) Review and practice Practical #3 from case book: anterior sickle scaler and Gracey curet 1/2) Student Practice (anterior instruments)	**Modules 8 and 9, 10, 11,15,17.19PAGE459-462** From **Required Ref**
Week 7	Quiz Review and practice Practical #3: anterior sickle scaler and Gracey curet 1/2) Detecting and recording dental deposits (plaque, stain, and calculus) and Use of disclosing agent (Introduction) Practical Examination #3: Use of hand-activated instruments (Anterior Sickle Scaler & Gracey curet 1/2) in Anterior sextants Detecting and recording dental deposits (plaque, stain, and calculus) and Use of disclosing agent (By TA) Practice with Partner: (Infection Control/Set Up Unit , Med. Hist. update): - Body Mechanics, Lighting - Mouth Mirror & Compressed Air - Dry teeth for supragingival calculus detection - Disclose plaque - Record dental deposits: plaque and stain on clinical form	**Classification of dental deposits p26.27** From **Clinic Manual**
Week 8	Use of periodontal explorer (ODU 11/12) for subgingival calculus detection in anterior and posterior sextants Practice with Partner: (Med. Hist. update) 1. Body Mechanics, Lighting 2. Mouth Mirror & Compressed Air 3. Dry teeth for supragingival calculus detection 4. Practice ODU Explorer and record Calculus class on clinic form 5. Calculus Removal- anterior instruments Review for Practical Exam #4 (Use of Periodontal Explorer ODU 11/12) Use of dental explorer for caries & dental charting Use of periodontal explorer for subgingival calculus detection Practice with Partner: 1. Explorers ? Dental Charting 2. Explore for calculus detection and chart calculus on form Review for Practical Exam #4 (Use of Periodontal Explorer ODU 11/12)	**Module 13** From **Required Ref**, **Manual Practical #7 p. 74** From **Clinic Manual**

Week 9	Practice for Practical Exam #4 (Use of Periodontal Explorer ODU 11/12) Practice with Partner: 1. Explorers ? Dental Charting 2. plaque and stain assessment Use of Universal Instruments (Posterior Sickle Scaler and Universal curet) Practice with Partner: (Med. Hist. update) 1. Body Mechanics, Lighting 2. Mouth Mirror & Compressed Air 3. Use of universal instruments 4. Practice subgingival calculus detection and removal with universal curets	**Module 13, 14,16,17** From **Required Ref**, **Manual Practical #7 p. 74** From **Clinic Manual**
Week 10	Practical Examination #4 Use of ODU explorer (ODU 11/12) Student practice: - Use of universal instruments for calculus removal - Dental Charting and deposits recording , Use of posterior Gracey curets for calculus removal (Demo and practice on partners) Infection Control/Unit Set-Up MH Up-date Practice on Gracey Curets in Posterior Sextants Review for Practical # 5: Posterior Gracey curets 11/12 and 13/14	**Modules 17 and 19** From **Required Ref**, **Manual Practical #6 p. 74** From **Clinic Manual**
Week 11	Practice on Gracey Curets in Posterior Sextants Review for Practical # 5: Posterior Gracey curets 11/12 and 13/14 , Periodontal Assessment I: PD measurement, recording, & evaluation Practice on Partner: Periodontal Assessment: Probing depth measurement practice, recording, & evaluation	**Module 19 , Modules 12, 18** From **Required Ref**, **Manual Practical #7 p. 71-73** From **Clinic Manual**
Week 12	Practical #5: Posterior Gracey Curets Unit Set-Up Practice with Partner: (Med. Hist update.) 1. Body Mechanics, Lighting 2. Mouth Mirror & Compressed Air 3. Universal instruments 4. PD measurement, recording, & evaluation, Periodontal Assessment II: GR, CAL, FI, mobility, MG examination Demonstration and Practice on partners: a. PD b. Gingival recession c. CAL d. Mucogingival examination e. Furcation Involvement f. Mobility	**Modules 12,13,15,17,19** From **Required Ref**, **Manual Practical #7 p. 74** From **Clinic Manual**
Week 13	Periodontal Assessment II: GR, CAL, FI, mobility, MG examination Demonstration and Practice on partners: g. PD h. Gingival recession i. CAL j. Mucogingival examination k. Furcation Involvement l. Mobility, MH Cases Discussion	**Module 11, 18** From **Required Ref**
Week 14	MH Cases Discussion by students	
Week 15	Final Practical Exams Week	
Week 16	Final Theoretical Exams Week	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Prevention of Disease Transmission and Ergonomic Patient and Operator Positioning	10%	
Principles of Instrumentation: Fulcrum and finger rests for dominanat and non-dominanat hands	10%	
Medical, Dental and Pharmacologic histories and vital signs	30%	
Instrument Design and Classification; Adaptation. Activation, and Angulation	20%	
Anterior and posterior Sickle Scalers, universal and area specific curets	10%	

Soft and Hard Dental Deposits assessment and documentation using dental explorers	10%	
periodontal assessment and charting	10%	

Evaluation	
Assessment Tool	**Weight**
Quizzes	10%
Practical Evaluations	40%
MH case	20%
Final Exam	30%

Policy	
Student Responsibilities & Preparation	1. Student Responsibilities & Preparation a. Read and follow the ?Statement of Student Responsibilities and Accountability?. Pre-clinical instruction cannot be made up. Additionally, your partner?s instruction is effected by your absence. b. Arrive to lab and clinic sessions properly attired as specified in the Dress Code. c. Begin laboratory practice on time. Be prepared with hands washed and gloved, unit cleaned and disinfected, and equipment set up prior to the beginning of the session. Students must prepare for laboratory 30 minutes prior to the start time. Late arrivals are penalized in the grade. For preparation instructions, see the daily schedule in the course outline. d. Due to the time limitation and the intense schedule, students must be prepared for lab which includes: i. Reading all assignments prior to lab ii. Practicing skills outside of class. iii. Knowing the activities for the lab, and iv. Bringing all necessary supplies as requested v. Dressing professionally per dress code e. The faculty have designed this course schedule to maximize learning experiences and to fulfill the objectives of the course. To fulfill these objectives and goals, each student must use the laboratory/clinic sessions efficiently, following the designated schedule. Every skill on the schedule must be practiced during the allotted time. If the schedule is not followed, the end result may be a deficiency in the student's skill level at the completion of the semester. Each student is expected to practice the skills outside of the laboratory sessions to enhance clinical skill development.
Daily practice and evaluation	Daily Practice of Clinical Skills/Process Evaluations will be observed and assessed by the section instructor on a 2x/week basis. Areas of strengths and weaknesses will be noted by the instructor and discussed with the student. ? Faculty Feedback: The faculty will provide feedback on student?s strengths and weaknesses as needed and discuss observations with the student.

Clinical Skills	Clinical Skills. The following skills will be assessed and graded during the semester in the Practical Examinations. See Clinic Manual and clinic case book for competencies and skill evaluation criteria. - Blood pressure - Positioning - Instrument Grasp - Mouth Mirror and Fulcrums - Activation & Adaptation & Strokes - Instrument Design and Classification - Calculus Removal - Anterior Instruments - Gracey Curets - Universal Instruments and Explorers - Periodontal Probe
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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