



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Allied Dental Sciences
Second Semester 2016-2017
Course Syllabus

Course Information	
Course Title	Dental radiology 2
Course Code	ADS 344
Credit hours	1 Theoretical Credit Hours
Prerequisites	ADS 343
Instructor	Arwa Mahasneh
Office Location	Faculty of Applied medical sciences building
Office Hours	
Clinic location	JUST Dental teaching center/ Irbid, JUST dental clinic/ JUST campus
E-mail	ammahasneh@just.edu.jo
Course Description	
Continued development of the principles and techniques obtained in Oral Radiology I with emphasis on supplemental intraoral techniques especially for client management; extraoral techniques; digital imaging techniques; radiographic interpretation of film-based and digitally acquired images; and the incorporation of dental photography into patient assessment.	

Resources
<ol style="list-style-type: none">1. Essentials of Dental Radiography for Dental Assistants and Hygienists, 9th ed. ON Johnson, EM Thomson, Pearson/Prentice Hall, 2010.2. Exercises in Oral Radiographic Techniques: A Laboratory Manual. 3rd ed. EM Thomson, Pearson/Prentice Hall, 20103. Radiographic Interpretation for the Dental Hygienist JI Haring, LJ Lind, WB Saunders Co. 1993

Assessment

Assessment	Expected Due Date	Percentage
Continuous assessment		60%
First Exam	7/3/2017	30%
Second Exam	4/4/2017	30%
Final		40%
Final theoretical Exam	TBA	40%

Teaching & Learning Methods
Method of delivery: Lecture/discussion demonstration laboratory application and reading assignments.

Course Objectives/ theory	Percentage
Determine when needed and apply appropriate supplemental radiographic techniques. (<i>ie:</i> occlusal and disto-oblique projections, localization methods, bisecting technique)	15%
Appropriately alter basic intraoral radiographic techniques for special-needs clients. (<i>ie:</i> children, completely or partially edentulous, exaggerated gag reflex, low palatal vault or the presence of palatal or mandibular tori).	15%
Address client concerns and accurately answer all questions pertaining to radiographic need and procedures.	10%
Demonstrate proficiency in panoramic radiography. (<i>Including:</i> client positioning, exposing, processing, and critiquing for diagnostic acceptability.)	15%
Interpret both intraoral and extraoral dental radiographs for identification of dental materials, caries, periodontal disease and pulpal and periapical lesions	15%
Apply all learned film-based radiographic techniques to digital imaging.	15%
Incorporate intraoral photography into client assessment.	15%

Additional Notes	
Exams	Students are required to sit for the 3 semester examinations (1st, 2nd, and final)
Cheating	Cheating during exam will result in dismissal from the exam hall and the student will be penalized according to JUST regulations All academic work submitted to fulfill a course requirement is expected to be result of each student's own thought, research and self-expression. 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,

	<p>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.</p>
Attendance and due dates	<p>JUST requires the faculty member to assign ZERO grade (35%) if a student misses 20% of the classes with and without an excuse.</p> <ul style="list-style-type: none"> - Questions are welcome during lectures. - Tardiness by (15) minutes or more will be counted as an absence - All laboratory assignments are due at the beginning of your lab session on the due date specified (will be announced in the lecture). The laboratory assignment grade will be reduced by one point for each day late - The student is responsible for all material covered in lecture and laboratory sessions as well as assigned readings and handouts -
Tests and evaluation methods	<p>Tests cover lecture material, laboratory activities, and assigned readings and handouts. The final examination will be comprehensive. Tests will be given in the lecture classroom during the regularly scheduled class period. Tests are not released. It is up to the student to schedule an appointment with the instructor if he/she wishes to review the test.</p> <p>Students who do not take tests during the scheduled dates are to follow the steps below:</p> <ol style="list-style-type: none"> 1. Have ready documentation of the excused absence from the deanship. If absence is unexcused, student will receive a grade of zero (0) for the test not taken 2. Schedule a meeting with instructor. For excused absence, a make-up test date will be set up AFTER securing instructor permission. Make-up test will cover same course content as scheduled test. Make-up test format will be decided by instructor. Possible formats will include but not be limited to: <ol style="list-style-type: none"> a. oral exam b. essay c. short answer d. listing e. demonstration/performance f. combination of the above

Week	Date	Topic	Reading	Lecturer
1.	Feb.31	ORIENTATION TO COURSE LECTURE	Syllabus distribution	Arwa Mahasneh
2.	Feb.7	I. Managing Patients with Special Needs	1. Chapter 26 Managing Patients with Special Needs Web: http://www.dimensionsofdentalhygiene.com/ddhright.aspx?id=1315	Arwa Mahasneh
3.	Feb.14	III. Radiographic Interpretation A. Dental Materials B. Trauma and Periapical Lesions C. Tooth Development and Abnormalities Modalities	Chapter 22 – Recognizing Deviations from Normal Radiographic Anatomy <u>Supplemental Reading:</u> Haring & Lind, Chapter 5: Identification of Restorations, Dental Materials and Foreign Objects	Arwa Mahasneh
3.	Feb.21	D. Periodontal Disease	Chapter 24 – The Use of Radiographs in the Evaluation of Periodontal Diseases <u>Supplemental Reading:</u> Haring & Lind, Chapter 7: Periodontal Disease In class activity: Slide identification	Arwa Mahasneh
4.	Feb.28	E. Caries	Chapter 23-The Use of Radiographs in the Detection of Dental Caries <u>Supplemental Reading</u> Haring & Lind, Chapter 6, Dental Caries	
5.	March.7	First Exam IV. Digital Radiographic Imaging	Chapter 8-Digital Radiography	Arwa Mahasneh
6.	March.14	LECTURE V. Panoramic Radiography VI. Panoramic Errors	Chapter 29 - Panoramic Radiography KODAK Successful Panoramic Radiography	Arwa Mahasneh
7.	March.21	VII. Panoramic Anatomy VIII. Panoramic Artifacts	Chapter 29- Panoramic Radiography <u>Supplemental Reading:</u> Haring & Lind, Chapter 4: Normal Anatomy (Panoramic films)	Arwa Mahasneh

8.	March.28	IX. Occlusal Radiography	Chapter 16-The Occlusal Examination	Arwa Mahasneh
9.	April. 4	Second Exam X. Disto-Oblique Periapical Radiograph XI. Localization Techniques	Chapter 27-Supplemental Radiographic Techniques In class activity: video	Arwa Mahasneh
10.	April. 11	Quality Assurance	Chapter 18. Quality Assurance in Dental Radiography	Arwa Mahasneh
11.	April. 18	XII. Film Duplication XIII. Extraoral Radiography XIV. Alternate imaging modalities	Chapter 29-Extraoral Radiography	Arwa Mahasneh
12.	May.2	radiographs slide show and catch up session		Arwa Mahasneh
		FINAL EXAM	All reading assignments, handouts, and all activities for lectures and labs	