

I. DH 153

RADIOLOGY II: INTERPRETATION

II. PREPARED BY:

CARLOS SERMEÑO

III. REVISED FOR:

SPRING 2015

IV. PREREQUISITE:

COMPLETION OF RADIOLOGY I

V. UNITS AND HOURS:

ONE UNIT
72 MINUTES PER WEEK FOR 15 WEEKS

VI. COURSE INSTRUCTOR:

CARLOS SERMEÑO, RDHAP, BS
E-MAIL: sermenoc@gmail.com

Office Hours:

Wednesday 10:00Am – 12:00pm (by appointment)

Email:

Instructor is not available to reply emails or phone calls during evening hours and weekends.

Office Phone:

VII. COURSE DESCRIPTION:

The clinical discipline of radiographic interpretation of oral and maxillofacial disease is presented to students. Techniques in extraoral and specialized radiography are discussed.

VIII. REQUIRED TEXT:

White, Stuart C. Oral Radiology: Principles and Interpretation. Seventh Edition. Elsevier, 2014 ISBN: 9780323096331

IX. SUGGESTED REFERENCES:

Iannucci Haring, Joen and Jansen L. Dental Radiography Principles and Techniques. Second edition. Saunders 2000 ISBN: 0-7216-8545-5

Johnson Orlen N., McNally, Michael A., Essay, Christine E. Essentials of Dental Radiography for Dental Assistants and Hygienists. Seventh edition. Prentice Hall 2003 ISBN: 0-13-093231-0

X. COURSE OBJECTIVES:

At the completion this course, the student will be able to:

Recognize normal radiographic appearances of the oral anatomical structures and conditions in normal, developing and mature individuals.

Recognize common radiographic pathology and developmental normality of the teeth and jaws.

Understand and utilize radiographs in periodontal diagnosis, diagnosis of dental caries and restorations and diagnosis of periapical disease.

Describe the clinical indications for and techniques used in the exposure of occlusal radiographs.

Describe the clinical indication for and techniques used in the exposure of extraoral radiographs.

Panoramic

Lateral oblique

Posterior-anterior view

Water's view

Cephalometric

Describe those radiographic procedures useful in locating objectives within or adjacent to the mandible/maxilla.

List and describe the factors which contribute to and influence radiographic film quality.

Discuss and explain the legal aspects and issues in dental radiography.

Film ownership and liability

Consumer protection

State and federal regulations

Compare and contrast radiographic films and evaluate for diagnostic quality.

Integrate clinical signs and symptoms with radiographic findings and defend conclusions.

Explain the basics on intraoral digital image processing

XI. INSTITUTIONAL STUDENT LEARNING OUTCOMES:

Critical Thinking: Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.

Assessment: Identify anatomical landmarks, anomalies and lesions on radiographic images by using the information gained from the class and textbooks.

Ethics: Practice and demonstrate standards of personal and professional integrity, honesty and fairness; apply ethical principles in submission of all college work.

Assessment: Discuss and share the experiences and solutions to ethical issues with dental radiographs.

SLO Criterion Level:

- At least 80% of students will achieve at least 75% of the points according to the grading rubric.
- At least 80% of students will answer at least 75% of the quiz questions correctly.

XII. METHODS OF INSTRUCTION:

Online Instruction (Power point, Internet link sites)
Threaded Discussion and Exercises
Quizzes and Exams

XIII. METHODS OF EVALUATION:

Evaluation will be based upon your attainment of the knowledge of material presented in each lesson of the course.

Assignments and Participation 10% of Grade

Each Student has to participate with posting at least **one weekly constructive** comment in the **CLASS DISCUSSION** (under the **DISCUSSION AND PRIVATE MESSAGES** tab on your menu on the column on the left portion of computer screen) - at 11:59 pm of every Sunday, the weekly forum will lock, and you will no longer be able to post your comment, reducing your final grade percentage.

Quizzes (12 quizzes) 20% of Grade

All the quizzes are due by Sunday 11:59 p.m. **There is no make up quizzes or retakes.**

Midterm Exam 30% of Grade

(A minimum score of 70 % is required to pass this course)

Final Exam 40% of Grade

(A minimum score of 70 % is required to pass this course)

Course letter grade will be based on the following scale:

90- 100 % = A

80 – 89 % = B

70 – 79 % = C

60 – 69 % = D

The Dental Hygiene curriculum is scheduled in a sequence of courses, given only once per year; therefore, all courses must be completed with a minimum of a "C" grade in order to continue in the Dental Hygiene Program.

Students who receive less than a "C" grade at midterm in any course will be notified by the program director in writing of this status. It is the responsibility of the student to seek help and/or clarification of the deficiency with the course instructor. Please refer to the college catalog for further information on grading policies and procedures.

IV. ADDITIONAL INFORMATION:

- This course is fully online. **The start date of each week is every Monday.** The lesson will be available to you every Monday at 08:00 a.m.
- It is your responsibility to read the assigned readings before you start each week's lesson. If you do not do the exercises, you will not be able to follow the instruction in the course. Every module is available until the following Sunday at 11:59pm. Material not completed at 11:59pm on Sunday will not count as completed, and student will not receive the corresponding points (no excuse).

XIII. COURSE CONTENT OUTLINE: COURSE SCHEDULE – SPRING 2015

WEEK	LECTURE TOPIC	READING ASSIGNMENT Other RESOURCES
1	2/09/15 Normal Radiographic Anatomy Quiz 1	White - Chapter 8
2	2/16/15 Dental Caries Identification of Dental Materials Quiz 2	White – Chapter 8 and 18
3	2/23/15 Radiographic Appearance of Periodontal Disease Quiz 3	White – Chapter 19
4	3/02/15 Principles of Radiographic Interpretation Processing and Errors Quiz 4	White – Chapter 5
5	3/09/15 Dental Anomalies Trauma to teeth and facial structures Quiz 5	White – Chapter 30
6	3/16/15 Localization Technique Quiz 6	White – Chapter 6
7	3/23/15 Midterm Exam (On Campus – Location TBA)	
8	3/30/15 Extraoral Radiographs Panoramic Radiography Quiz 7	White – Chapter 9
9	4/6-10/15 Spring Break	
10	4/13/15 Periapical Radiolucencies Radiolucencies with distinct borders Radiolucencies with indistinct borders Quiz 8	White – Chapter 21, 22, 23, and 24

11	4/20/15	Pericoronal radiolucencies without calcifications Pericoronal radiolucencies with calcifications Quiz 9	White – Chapter 21, 22, 23, and 24
12	4/27/15	Multilocular radiolucencies Mixed radiolucent-radiopaque lesions Quiz 10	
13	5/4/15	Periapical radiopacities Radiopacities within the jaws Radiopacities outside the jaws Quiz 11	White – Chapter 28
14	5/11/15	Specialized Radiographic Technique Digital Radiography TMJ, Sinus, Implant, Salivary Glands Quiz 12	White – Chapter 14
15	5/18/15	Final Exam Review	
16	5/25/15	MEMORIAL DAY	
17	6/1-5/2015	FINAL EXAM (On Campus – Date and Location TBA)	

Use of Social Media

- The student is held accountable for maintaining the privacy of any information obtained

ed, seen, or is given during clinical rotations

- The student should make every effort to present himself/herself in a mature, responsible, and professional manner.
- Confidential information of patients, patient family members, visitors, dentist, dental students, facility staff, faculty, college staff, fellow students, and class or clinical situations should never be discussed in any form online.
- The Health Insurance Portability and Accountability Act (HIPPA) guidelines are to be upheld at all times.
- Personal information and photos with students, faculty, staff, and clinical sites may only be posted **with verbal and/or written permission** from **all** individuals involved.
- Students should avoid using names and never post photographs of patients or staff without authorization.
- **The posting of unauthorized pictures, videos, course materials, quizzes/tests or plagiarizing online information is prohibited.**
- Harassing, threatening, belittling photos, e-mails, or videos that are demeaning, insulting or discriminating against anyone are not to be posted – any of these actions must be reported with a screen-shot to the Program and/or Course Director.
- Display of language or photographs that imply disrespect for any individual or group because of age, race, gender, ethnicity, or sexual identity is prohibited.
- Texting, e-mail, and social networking, are not to be performed during class or clinical hours.
- On-campus computers or wi-fi network must not be used for illegal purposes
- Students may not use social media to communicate information to faculty. To contact faculty member, student **MUST** use communication method specified by faculty member
- Maintain professional boundaries in the use of electronic media.

Classroom and Campus Cleanliness

Please help us keep the classroom and campus grounds clean. No food or beverages, except for water, is permitted inside instructional classrooms /labs. Please use the receptacles to dispose of trash.