COURSE SYLLABUS

COURSE NO., HOURS AND TITLE: DH 219-2, Dental Radiology II

COURSE INSTRUCTOR: Jennifer S. Sherry, RDH, MSEd, Associate Professor, Dental Hygiene, School of Allied Health
Office: ASA, Room 130
Phone: 618-453-8891 (O); 618-985-4933 (H) (only use for emergency)
DH Clinic phone: 618-453-8826/8846
SAH office: 618-453-7211/ fax 618-453-7020
Email: clnteth@siu.edu (O) OR jenlater@msn.com (H)

OFFICE HOURS: Monday---8-10 AM; Tuesday---10-12 PM; Wednesday---1-3 PM or by appt.

COURSE TIMES/LOCATION: Tuesday---1:00-2:50 PM (ASA Room 9D)

ACADEMIC HONESTY: Students are expected to adhere to the policies regarding academic dishonesty and plagiarism, found in the latest edition of the SIUC Student Conduct Code http://policies.siu.edu/documents/studentconductcodefinalmay32011.pdf and http://studentlife.siu.edu/policies_resources/resources.html. All students are expected to adhere to a strict code of academic honesty. Academic dishonesty will be addressed according to the “Policies and Procedures Applicable to Academic Dishonesty” as stated in the Important Information for Students, Faculty, & Staff booklet.
From the Student Conduct Code, Section ii, Article a:

Acts of Academic Dishonesty: Plagiarism, representing the work of another as one’s own work; preparing work for another that is to be used as that person’s own work; cheating by any method or means; knowingly and willfully falsifying or manufacturing scientific or educational data and representing the same to be the result of scientific or scholarly experiment or research; knowingly furnishing false information to a university official relative to academic matters; soliciting, aiding, abetting, concealing, or attempting conduct in violation of this code. Sanctions will be imposed for violations of this policy in accordance with the Student Conduct Code. A copy of the Important Information for Students, Faculty & Staff booklet can be obtained from the Office of the Vice Chancellor for Student Affairs, Mail code 4308, Southern Illinois University, Carbondale, IL 62901-4308.

Dental Hygiene Specific System: If the student is involved in any acts of academic dishonesty, they will be disciplined. The discipline action will be decided by the faculty for this course as well as the Program Director for Dental Hygiene. This action will also be documented in the students’ permanent file. The student will also sign a form that states they understand and agree with the discipline.
ADA Accommodations: In keeping with the goal of the implementation of the Americans with Disabilities Act (ADA), all students for whom this act applies should notify the instructor no later than the second session of the course so that arrangements can be made for accommodations to meet your educational needs and maximize learning. If any student needs special services, please contact the course instructor or Disability Support Services (453-5738, DSSsiu@siu.edu).

EMERGENCY PROCEDURES: Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on the BERT’s website at www.bert.siu.edu, Department of Public Safety’s website www.dps.siu.edu (disaster drop down) and in the Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

COURSE DESCRIPTION:
DH 219-2 Dental Radiology II. The student will learn special dental survey techniques including paralleling, bisecting angle, digital, occlusal and special views. The student will also identify anatomical landmarks and recognize normal and pathological conditions that appear on dental images. Lecture two hours. Course length: 16 weeks. Prerequisites: DH 218, DH 218L and DH 226. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

PROGRAM COMPETENCIES:
(ADEA Competencies for Entry into the Allied Dental Professions, 2011)

Upon completion of this course, the student will have achieved competence in the following:

Core Competencies
C.1 Apply a professional code of ethics in all endeavors.
C.3 Use critical thinking skills and comprehensive problem-solving to identify oral health care strategies that promote patient health and wellness.
C.6 Continuously perform self-assessment for lifelong learning and professional growth.
C.9 Apply quality assurance mechanisms to ensure continuous commitment to accepted standards of care.
C.11 Record accurate, consistent, and complete documentation of oral health services provided.
C.12 Initiate a collaborative approach with all patients when developing individualized care
plans that are specialized, comprehensive, culturally sensitive, and acceptable to all parties involved in care planning.

**Health Promotion and Disease Prevention (HP)**
HP.1 Promote positive values of overall health and wellness to the public and organizations within and outside the profession.
HP.2 Respect the goals, values, beliefs, and preferences of all patients.

**Patient Care (PC)**

**Assessment**
PC.2 Recognize predisposing and etiologic risk factors that require intervention to prevent disease.

**Planning**
PC.8 Make referrals to professional colleagues and other health care professionals as indicated in the patient care plan.

**Evaluation**
PC.12 Determine the outcomes of dental hygiene interventions using indices, instruments, examination techniques, and patient self-reports as specified in patient goals.

**COURSE OBJECTIVES:**

Upon completion of this course, the student will be able to:

1. Recognize the steps of bisecting angle technique.
2. Comprehend the rationale of taking occlusal radiographs on patients.
3. Comprehend the application of dental panoramic radiography.
4. Identify the reasons to use intensifying screens in panoramic exposures.
5. List radiographic anatomy on panoramic images.
6. Recognize the differences between using conventional film and using digital radiography.
7. Discuss techniques to handle complex situations and special needs patients in a radiographic situation.
8. Recognize alternative techniques to achieve the best image possible.
9. Recognize the radiographic appearance and landmarks of the maxilla and mandible.
10. Recognize normal anatomical structures on occlusal films.
11. Identify the steps taken to interpret and diagnose radiographs.
12. Detect caries and periodontal disease on a radiograph and determine the different classifications of disease processes.
13. Interpret periapical pathology as well as other apical and pulpal findings.
14. Determine types of traumatic injury of teeth and how to interpret on a radiographic image.
15. Identify state and federal laws as they impact dentistry as a whole.
16. Identify the legality and insurance issues that may arise in dentistry.
17. Review manual processing and have a basic understanding of this technique.
19. Discuss the proper infection control techniques to use in dental radiology.
20. Recognize and identify different types of restorative materials, and other materials and/or foreign objects commonly seen on dental radiographs.
21. Recognize different developmental anomalies that can be seen on dental radiographs.
## CONTENT OUTLINE:

<table>
<thead>
<tr>
<th>Course Topics</th>
<th>Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Review on Manual Processing/Film Duplication</td>
<td>10%</td>
</tr>
<tr>
<td>II. Infection Control and the Dental Radiographer</td>
<td>4%</td>
</tr>
<tr>
<td>III. Panoramic Imaging</td>
<td>15%</td>
</tr>
<tr>
<td>IV. Interpretation of Periodontal Disease</td>
<td>10%</td>
</tr>
<tr>
<td>V. Interpretation of Dental Caries</td>
<td>10%</td>
</tr>
<tr>
<td>VI. Normal Anatomy: Panoramic Films</td>
<td>10%</td>
</tr>
<tr>
<td>VII. Bisecting Technique/ Occlusal &amp; Localization Techniques</td>
<td>8%</td>
</tr>
<tr>
<td>VIII. Identification of Restorations, Dental Materials, and Foreign Objects</td>
<td>10%</td>
</tr>
<tr>
<td>IX. Interpretation of Trauma and Pulpal &amp; Periapical Lesions</td>
<td>3%</td>
</tr>
<tr>
<td>X. Digital Imaging</td>
<td>20%</td>
</tr>
</tbody>
</table>

## REQUIREMENTS AND GRADING

**Bring your syllabus with you each week to lecture!**

GRADES AND OTHER INFORMATION WILL BE ON Desire 2 Learn (D2L) THIS SEMESTER. YOU WILL BE RESPONSIBLE FOR REVIEWING/COPYING YOUR PPT SLIDES FOR LECTURE OR MAKING COPIES AS MRS. SHERRY INDICATES.

### Course Requirements/Grading:

<table>
<thead>
<tr>
<th>POINTS POSSIBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Examinations</td>
</tr>
<tr>
<td>1. Exam #1</td>
</tr>
<tr>
<td>2. Exam #2</td>
</tr>
<tr>
<td>3. Exam #3</td>
</tr>
<tr>
<td>3. Comprehensive Final</td>
</tr>
<tr>
<td>4. Quizzes/Assignments/Case Studies (may be announced or unannounced; these points are predicted!)</td>
</tr>
</tbody>
</table>

**TOTAL POINTS POSSIBLE**

475 points (estimated)
• The minimum passing grade in DH 219 is a “C”. If a “D” or “F” is earned, the student must be dropped from the program sequence and retake the course the following spring semester. The student may have to take DH 218 as an independent study to ensure you stay current with techniques and information.

• There will be NO CELL PHONE use while in lecture and they will need to be turned to silent. THIS INCLUDES TEXTING or any phone activity. There may be, on occasion, a time when Mrs. Sherry utilizes cell phones for looking up pertinent information, but that is the ONLY time that cell phones should be used during lecture!

GRADING SCALE AND POLICY:
A=100-90
B=89-80
C=79-70
D=69-60
F=59 OR BELOW

ATTENDANCE POLICY

You are allotted a total of one (1) absence from lecture. I will only give a make-up quiz or exam if the student has a documented absence form from a physician and/or other professional. If possible, the quiz or exam needs to be taken within 2 days after the absence. If you miss 2 days or more, for each absence, five (5) percentage points will be deducted from your final grade in DH 219.

TEXTBOOKS**

REQUIRED:

RECOMMENDED:

**OTHER READINGS AS ASSIGNED BY PROFESSOR (ie. Handouts, case studies, etc)
Pay attention to your reading assignments because some chapters have both books utilized!!! There may be some in/out of class case studies as well! Bring books to class so you can follow along with examples.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>LECTURE TOPICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Discuss and Review Syllabus</td>
</tr>
<tr>
<td>1/19/16</td>
<td>Lecture: Review on Manual Processing/Film Duplication Chap. 9 (Iannucci and Howerton)</td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 86 blue book): Bullet points 3, 4, 5, 6, 7, 8, 9, 17</td>
</tr>
<tr>
<td></td>
<td>(CORE COMPETENCY—C.9)</td>
</tr>
<tr>
<td>2</td>
<td>QUIZ 1: Chap. 9 (10 points)</td>
</tr>
<tr>
<td>1/26/16</td>
<td>Lecture: Legal Issues and the Dental Radiographer Chap. 14 (Iannucci and Howerton) &amp; Infection Control and the Dental Radiographer Chap. 15 (Iannucci and Howerton)</td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 135 blue book): Bullet points 1-10</td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 140 blue book): Bullet points 1-9</td>
</tr>
<tr>
<td></td>
<td>(CORE COMPETENCY—C.1 and C.9)</td>
</tr>
<tr>
<td>3</td>
<td>QUIZ 2: Chap. 14, 15 (15 points)</td>
</tr>
<tr>
<td>2/2/16</td>
<td>Lecture: Panoramic Imaging Chap. 22 (Iannucci and Howerton)</td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 256 blue book): Bullet points 1-8</td>
</tr>
<tr>
<td></td>
<td>(CORE COMPETENCY—C.3)</td>
</tr>
<tr>
<td>WEEK</td>
<td>LECTURE TOPICS</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
</tr>
</tbody>
</table>
| 4 2/9/16 | EXAM #1: Chapters 9, 14, 15, 22—First ½ of class (100 points)  
Lecture:  
Interpretation of Periodontal Disease Chap. 34 (Iannucci and Howerton); Chap. 7 (Haring and Lind)  
Learning Objectives (pg. 412): Bullet points 1-13 (blue book); (pg. 121) Bullet points 1-12 (pink book)  
(CORE COMPETENCY—C.11 and C.12 & PATIENT CARE—PC.2) |
| 5 2/16/16 | If needed, catch up on Interp of Perio Disease Ch. 34  
Lecture: Interpretation of Dental Caries Chap. 33 (Iannucci and Howerton); Chap. 6 (Haring and Lind)  
Learning Objectives (pg. 402): Bullet points 1-9 (blue book); (pg. 105) Bullet points 1-11 (pink book)  
(CORE COMPETENCY—C.11 and C.12 & PATIENT CARE—PC.2) |
| 6 2/23/16 | QUIZ 3: Chap. 33, 34 (15 points)  
Lecture: Normal Anatomy: Panoramic Films Chap. 29 (Iannucci and Howerton) & Chap. 4 (Haring and Lind)  
Learning Objectives (pg. 357): Bullet points 1-5 (blue book); (pg. 59) Bullet points 1-8 (pink book)  
(PATIENT CARE PC.2 and PC.12) |
<table>
<thead>
<tr>
<th>WEEK</th>
<th>LECTURE TOPICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>QUIZ 4: Chap. 29 (15 points)</td>
</tr>
<tr>
<td>3/1/16</td>
<td>Lecture: Bisecting Technique Chap. 18 (Iannucci and Howerton); &amp; Occlusal and Localization Techniques Chap. 21 (Iannucci and Howerton)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 180 blue book): Bullet points 1-13</td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 239 blue book): Bullet points 1-12</td>
</tr>
<tr>
<td></td>
<td>(PATIENT CARE—PC.2 and PC.12)</td>
</tr>
<tr>
<td>8</td>
<td>EXAM #2: CHAPTERS 18,21,29,33,34 first ½ of class (100 points)</td>
</tr>
<tr>
<td>3/8/16</td>
<td>Lecture: Identification of Restorations, Dental Materials, and Foreign Objects Chap. 32 (Iannucci and Howerton); Chap. 5 (Haring and Lind)</td>
</tr>
<tr>
<td></td>
<td>Learning Objectives (pg. 383): Bullet points 1-5 (blue book); (pg. 82) Bullet points 1-6 (pink book)</td>
</tr>
<tr>
<td></td>
<td>(HEALTH PROMOTION AND DISEASE PREVENTION—HP.1 &amp; PATIENT CARE—PC.2)</td>
</tr>
<tr>
<td>9</td>
<td>NO LECTURE: SPRING BREAK</td>
</tr>
<tr>
<td>WEEK</td>
<td>LECTURE TOPICS</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>
| 10 | **CONTINUE WITH:**  
  **Lecture:** Identification of Restorations, Dental Materials, and Foreign Objects Chap. 32 (Iannucci and Howerton); Chap. 5 (Haring and Lind)  
  *Same Learning Objectives as Week 8* |
| 11 | **Lecture:** Interpretation of Trauma and Pulpal and Periapical Lesions Chap. 35 (Iannucci and Howerton); Chap. 8 (Haring and Lind)  
  *Learning Objectives (pg.426): Bullet points 1-7 (blue book); (pg. 139) Bullet points 1-8 (pink book)*  
  *(PATIENT CARE—PC.2 AND PC.8)* |
| 12 | **QUIZ 5:** Chap. 32,35 (20 points)  
  **Lecture:** Radiography of Pts. with Special Needs Chap. 24 (Iannucci and Howerton)  
  *Learning Objectives (pg. 290 blue book): Bullet points 1-11*  
  *(HEALTH PROMOTION AND DISEASE PREVENTION—HP.2)* |
| 13 | **Lecture:** Digital Imaging Chap. 25  
  (Iannucci and Howerton)  
  & Supplemental Information on Dexis Digital System  
  *Learning Objectives (pg. 301 blue book): Bullet points 1-7*  
  *Learning Objectives on Supplemental Information will be included on a handout.*  
  *(CORE COMPETENCY—C.3)* |
<table>
<thead>
<tr>
<th>WEEK</th>
<th>LECTURE TOPICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>EXAM #3: Covering Chapters 24,25,32,35 (100 points)</td>
</tr>
<tr>
<td>4/19/16</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Lecture: Anomalies in Radiography (Suppl. Materials)</td>
</tr>
<tr>
<td>4/26/16</td>
<td>Learning Objectives will be included on a handout in lecture.</td>
</tr>
<tr>
<td></td>
<td>(CORE COMPETENCY—C.6 &amp; PATIENT CARE PC.12)</td>
</tr>
<tr>
<td>16</td>
<td>Instructor Evaluations for Course</td>
</tr>
<tr>
<td>5/3/16</td>
<td>Radiology Jeopardy and Review for Final Exam</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>FINALS WEEK</td>
<td>FINAL EXAM (100 points) (COMPREHENSIVE)---&gt; Thursday, May 12, 2016—12:30-2:30 PM, Room 9D</td>
</tr>
</tbody>
</table>

***The professor reserves the right to amend the syllabus, schedule, or course requirements. Students will receive written notification in sufficient time to comply with changes and complete required coursework.***
IMPORTANT DATES *
Semester Choo Begin: .............................................. 01/19/2016
Last day to add a class (without instructor permission): .......... 01/24/2016
Last day to withdraw completely and receive a 100% refund .......... 01/31/2016
Last day to drop a course using SalukiNet: ......................... 04/03/2016
Last day to file a drop/add application (for same to appear in Commencement program): .................. 02/12/2016
Final examinations: .................................................. 05/09 - 05/13/2016

Note: For outreach, internet, and inter-course drop/add dates, visit Registrar’s Academic webpage: http://registrar.siu.edu

SPRING SEMESTER HOLIDAYS
Martin Luther King, Jr.’s Birthday Holiday 01/18/2016
Spring Break 03/12 – 03/20/2016

WITHDRAWAL POLICY – Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/catalog/undergraduatecatalog.html

INCOMPLETE POLICY – Undergraduate only
At the discretion of the instructor, a student may request an Incomplete grade. For a student to complete the course within the time period designated, that is, by no later than the end of the semester following the term in which the course was taken or the course repetition must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/catalog/undergraduatecatalog.html

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grad/catalog/index.html

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM
Guidelines for Faculty: http://pcau.siu.edu/commenc/documents/Plagiarism/Guidelines%20for%20Faculty%20Preventing%20Plagiarism.pdf

MORRIS LIBRARY HOURS
http://www.library.siu.edu/about

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: (618) 453-5714, or salukicares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. As a student you assume responsibility for your personal safety by becoming familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. Emergency response information is available on posters in buildings on campus, on the Saluki Response Team’s website at www.bert.siu.edu, Department of Safety’s website at www.disp.siu.edu (disaster drop down) and the Emergency Response Guideline pamphlet. Instructors will provide guidance and direction to students in the classroom in the event of any emergency affecting their location. It is important that you follow these instructions and stay with your instructor during evacuation or sheltering emergency.

INCLUSIVE EXCELLENCE
SIU values and embraces diversity, in all forms. It is committed to providing an educational and professional environment that supports every student, faculty, and staff member. Learning and working with people of different backgrounds enriches the campus experience and helps to prepare everyone for workplace and civic environments. For more information please visit: http://www.inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:
Tutoring: http://tutoring.siu.edu/
Math Labs: http://math.siu.edu/courses/course-help.php

WRITING CENTER
The Writing Center offers free tutoring for all SIU students and faculty. To find out when to schedule an appointment please visit: http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office’s main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:
SALUKINET: https://salukinet.siu.edu/cp/home/displayLogin
ADVISMENT: http://advisement.siu.edu/

PROVOST & VICE CHANCELLOR: http://pcau.siu.edu/
SIU ONLINE: http://online.siu.edu/