

CASPER COLLEGE COURSE SYLLABUS
RDTK 2630 01 – Radiographic Pathology

Semester/Year: Fall 2015

Lecture Hours: 2

Lab Hours:

Credit Hours: 2

Class Time:

Thursday

Days:

12:00-1:30pm

Room:

HS124

Instructor's Name: Laurie Weaver

**Instructor's Contact
Information:**

Office Phone:
307-268-2587

Email:
lweaver@caspercollege.edu

Office Hours: M/T 8:00-9:00, TH 9:00-12:00

Course Description:

General principles of pathology as well as disease processes and radiographic manifestations of specific body systems will be covered. A portion of the course will be devoted to the study of cancer and its radiographic appearance for the various systems.

Statement of Prerequisites:

ZOO 2040, ZOO 2041, ZOO 2110, and RDTK 2810.

Goal:

Outcomes and Goal:

1. gain an understanding of the basic medical terminology used to describe various pathologic conditions occurring in the human body.
2. describe the basic physiology of the system in question.
3. identify basic anatomic structures on both diagrams and radiographs of the system in question.
4. be able to define terminology related to pathology and the system in study.
5. describe the various pathologic conditions affecting the system including signs, symptoms and radiographic manifestations.
6. utilize their pathology knowledge to observe and interview a patient so as to provide the best possible history to the radiologist.
7. be able to make appropriate changes in technical factors required for obtaining optimal quality radiographs in-patients with certain underlying pathologic conditions.
8. gain a better understanding of a given pathology, and be able to deliver individualized quality patient care by better use of appropriate communication and physical patient care skills.

Casper College General Education Outcomes Addressed

Solve problems using critical thinking skills and creativity

Course Objectives: (Connect to CC outcome if possible)

Methodology:

Seminar, student presentations, observation in the field through experience and research, case study review.

COURSE CONTENT OUTLINE:

| | |
|---------------------|--|
| 8-27 | Introduction to course : Assign Specialty Presentations |
| 9-3 | Ch. 1 Introduction to Pathology |
| | Do Graduation Check |
| 9-17 | Quiz Chapter 4 Dr. Mcginley Chapter 4 Skeletal: |
| 9-24 | Quiz Chapter 3 Dr. Sulser Chapter 3 Respiratory System |
| 10-1 | Quiz Chapter 9 and 10 Dr. Smith Chapter 9 Hematopoietic System Chapter 10 Endocrine System |
| 10-8 | Quiz Chapter 8 Dr. Flaherty Chapter 8 Nervous System |
| 10-15 | Journal Presentations: One per student |
| 10-22 | Registry Review Class |
| 10-29 | Registry Review Test: Participation Grade used for RDTK 2930 |
| 11-5 | Quiz Chapter 6: Dr. Iverson Chapter 6 Urinary System |
| 11-12 | Journal Presentations: One per student |
| 11-19 | “Beating the Reaper” Dr. Sloan No Quiz |
| 11-26 | No Class Thanksgiving Break |
| 12-3 | Quiz Chapter 5 Dr. Cubin Chapter 5 GI System ***Journal Due *****Radiologist Observation Form Due |
| 12-10 | Quiz Chapter 7 Dr. Bowkley Chapter 7 Cardiovascular System |
| | Order Corectec for registry review class |
| Final Exam 12-11 | Final Exam: Schedule with instructor TBA |

I. OBSERVATIONS: Each student will spend sessions of two 2-hour blocks with the radiologists while reading radiographs. The reading time will total 4 hours for the semester. These times can be scheduled with Laurie Weaver. **A log sheet must be signed by the radiologist and turned in no later than December 4th: 50 points**

Students will schedule the reading room observations at the Wyoming Medical Center, Outpatient Radiology Office of Casper, Sheridan, Riverton, or Gillette Hospitals as follows: (Students at outside clinical sites may complete these observations at those sites)

October: 2 hours during the week 7:30 a.m.-9:30 a.m.

Nov./Dec: 2 hours during the week 7:30 a.m.-9:30 a.m.

The times listed are suggested to give the student the best experience during their observation.

Observations are to be completed outside of clinical hours

II. JOURNAL/ CASE STUDY PRESENTATIONS: A pathology journal will be utilized to give the student a practical working knowledge of Radiographic Pathology through experience, exploration and research.

During clinical education the student will keep a working journal of interesting pathology cases throughout the semester. This documentation must include the following if applicable:

- < Exam Performed/Explanation of procedure
- < Patient history
- < Any changes needed due to pathology, positioning, contrast media used, patient condition (**patient care**) and technique.
- < A complete explanation of the diagnosed pathology received from the exam results - Include a definition and explanation of the pathology and how it relates to the items listed above. Define any term in the report that involves this pathology.
- < Any additional tests required to diagnose this pathology. These tests must not only include imaging exams but lab, scopes, etc. You may have to investigate further to find this information. Include possible treatment options as well.
- < The length of each individual pathology report should be $\frac{3}{4}$ to 1 page in length.

The student will document a minimum of **15** cases. The student will present **2** case studies from his/her journal entries in class. The criteria listed above must be included in the presentation and films demonstrating the pathology must be shown. See course schedule for presentation dates, 2 presentations will be given by each student on the dates listed on the syllabus.

The completed journal must be typed and neatly organized.

Journal 100 points/Presentations 50 points

The completed journal is due **December 3rd** .

III. CHAPTER QUIZZES: A quiz will be given prior to each lecture covering the material for the upcoming chapter. Students can prepare for the quizzes by reading the chapter and completing the required workbook section for each chapter prior to the class. Quizzes will be given as follows: Chapters 1&2, 3,4,5,6,7,8,9,10. Quiz points vary according to chapters. **Quizzes cannot be made up** after the lecture covering that quizzes chapter (See attendance policy in this syllabus). Students who do not attend class on a quiz day will be given a 0 for that quiz. See course content for quiz and lecture schedule. Assignments will be required for the guest speakers and will count as quiz points.

IV. Final Exam: A comprehensive final exam will be given during finals week. This exam will present radiographs with different pathologies. Each radiograph will be accompanied by a patient history and other pertinent information regarding the radiographic pathology. The student will review the case history and radiograph and identify the proper pathology for each of the radiographs presented. Students will be allowed to use their pathology book to research the correct answer. Each student will schedule a date during finals week to take the test. Only three students will be allowed to take the exam at the same time. This will allow each student to be able to take the time needed to review each radiograph. 200 points

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade: Last day to withdraw November 12, 2015

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Interim Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

Calendar or schedule indicating course content: (be as complete here as possible, at least a grid showing week by week topics to be covered, assignments, due dates, readings etc. This can always be modified with a new handout later in the semester – better to send out a revised schedule than to trust verbal announcements by themselves)

RDTK 2630 Pathology for Radiographers

Attendance Policy: Quiz Makeup

****Students are expected to attend all guest lectures for this course. An attendance quiz is given after each lecture with points varying depending on the chapter.

Students may make up one quiz for ½ credit under the following circumstances.

1. Students must call the course instructor notifying them of the absence.
2. Students will be required to give the instructor a doctors excuse dated the day of the missed class.
 - a. The college nurse may also sign a note of illness
3. The excuse must be on official paper, signed and dated the day of the missed class.
4. The student must turn in the completed work sheet for grading.
5. The quiz must be taken prior to the next class for the course.
6. The quiz will start at ½ credit. For example if it is a 22 question quiz the highest points the student can receive is 11. One point will be deducted for each missed question.

**RDTK 2630 – Pathology for Radiographers
Presentation of Case Studies
Grading Criteria**

Student Name: _____

Date: _____

Each case study presentation is worth 25 points for a total of 50 points possible for the entire assignment.

| <u>Criteria</u> | Case #1 25 points | Case #2 25 points |
|--|------------------------------|------------------------------|
| Student presented an explanation of the exam performed. (5 points) | | |
| Student gave a thorough explanation of the patient's clinical history as it related to the pathology presented. (5 points) | | |
| Student presented any changes required due to the pathology presented. These include but are not limited to: positioning, contrast, technique, etc. (5 points) | | |
| Student presented a complete explanation of the pathology presented as received from the exam results. This included a definition of the presented pathology and how it relates to the criteria listed above. (5 points) | | |
| Student showed films which accurately demonstrated the pathology discussed. (5 points) | | |
| Total Points for Each Study Possible 25 points for each study: | | |
| Total Points Received for Entire Presentation Possible 50 points total for assignment | | |

Instructor Comments:

PATHOLOGY READING ROOM ROTATION 2015

STUDENT NAME: _____

Form must be initialed by the attending radiologist and turned in by December 3rd.

| Rotation Date: Fill in appropriate date next to month. | Date/Time Attended | Radiologist Initial/Date |
|---|---------------------------|---------------------------------|
| October | | |
| November/December | | |

Rotation Notes: