

Radiographic Pathology

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Revised 05/19/2011

COURSE NUMBER: RAD 205

PREREQUISITE(S): Successful completion of earlier program requirements

CO-REQUISITE(S): None

COURSE DESCRIPTIONS: This course provides a survey of disease processes significant to the radiographer, including etiology, diagnosis, prognosis, and treatment.

TEXTBOOK(S): Mace, James D. and Nina Kowalczyk. Radiographic Pathology for Technologists, 5th Ed. St. Louis: Mosby, 2008. ISBN #0-3230-4887-0

REFERENCE(S): Gibaldi, Joseph. MLA Handbook for Writers of Research Papers. 6th Edition. New York: Modern Language Association, 2003. ISBN #0873529863

OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT:

Writing utensil, required text

Computer with Internet access, Internet Explorer 6.0 or higher or other current browser, Java, word processing software (must be able to save Word format), and anti-virus software.

For specific technical requirements, view this link:

<http://online.sccsc.edu/techreq.htm>

METHOD OF INSTRUCTION:

This course is presented in a web-based format.

GRADING SYSTEM:

94	-	100	=	A
85	-	93	=	B
75	-	84	=	C
70	-	74	=	D
Below	-	70	=	F

Because RAD 205 is a major course in the Radiologic Technology curriculum, a grade of 75 or higher must be achieved to continue in the program.

It is the policy of all program faculty that all grades are recorded as whole numbers. No individual test grades or course grades are rounded up.

**GRADE
CALCULATION
METHOD:**

Topic Quizzes	=	40%
Midterm Examination	=	20%
Pathology Search	=	20%
Final Examination	=	20%
	=	<u>100%</u>

CONFIDENTIALITY:

All students' e-mail addresses may be available to other students in the class. Although some assignments in an online course may encourage or require peer communication, the instructor will make every effort to protect the confidentiality of any personal communication (for example, grades). However, you should recognize that e-mail and other electronic media are not secure; there is no guarantee of the privacy of your e-mail or other personal information.

**APPROPRIATE
ONLINE BEHAVIOR:**

The use of Spartanburg Community College's website, e-mail service or course management software for creation and/or distribution of material not pertaining to course participation is prohibited and is grounds for dismissal according to College policy under "disruptive behavior." Such actions, include, but are not limited to:

- Inappropriate use of email and discussion boards for:
 - ✓ Harassment
 - ✓ Unlawful solicitation
 - ✓ "Spamming"
 - ✓ "Flaming"
- Use of online editing tools within the course management software to:
 - ✓ Create offensive material
 - ✓ Link to inappropriate materials

**ATTENDANCE
POLICY:**

An electronic e-mail is required from each student to the instructor by the end of the drop/add period. At this time the Instructor will drop the student from the course if the communication is not received.

Instructors maintain attendance records. However, it is the student's responsibility to withdraw from a course. A student who stops attending the online class and fails to initiate a withdrawal will remain on the class roster. *With this in mind, for every assignment, test or exam not completed while still enrolled in the course the student will receive a grade of zero and the final course grade will be calculated accordingly.*

Withdrawal Policy: During the first 75% of the course, a student may initiate withdrawal and receive a grade of W. A student cannot initiate a withdrawal during the last 25% of the course. Extenuating circumstances require documentation and approval by the appropriate department head and academic dean.

ACADEMIC CONDUCT:

ACADEMIC DISHONESTY: Students are expected to uphold the integrity of the College's standard of conduct, specifically in regards to academic honesty. All forms of academic dishonesty including, but not limited to, cheating on assignments/tests, plagiarism, collusion, and falsification of information will call for disciplinary action. Disciplinary action imposed may include one or more of the following: written reprimand, loss of credit for assignment/test, termination from course, and probation, suspension, or expulsion from the College. For further explanation of this and other conduct codes, please refer to the Student Handbook.

ACCOMMODATIONS:

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services. You may contact Student Disability Services by calling, (864) 592-4811, toll-free 1-800-922-3679; via email through the Spartanburg Community College web site at www.sccsc.edu/SDS/; or by visiting the office located in the Dan Lee Terhune Student Services Building, room 112 of the Spartanburg Community College campus. By contacting Student Disability Services early in the semester, students with disabilities give the College an opportunity to provide necessary support services and appropriate accommodations.

COURSE
COMPETENCIES &
OBJECTIVES:

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

- I. Describe the general principles of pathology.
 1. Define terms related to pathology.
 2. Describe manifestations of pathological conditions.
 3. Explain relevance of pathological manifestations to radiographic procedures.

- II. Describe disease processes common to the skeletal system.
 1. List common disorders of the skeletal system.
 2. Identify the disease classification for common disorders of the skeletal system.
 3. State the etiology, with age group and gender most affected, for common disorders of the skeletal system.
 4. Indicate manifestations of common disorders of the skeletal system.
 5. Describe the radiographic appearance of common disorders of the skeletal system.
 6. List any changes in radiographic procedure/technique necessary for common disorders of the skeletal system.
 7. List several methods of treatment for common disorders of the skeletal system.
 8. Identify any major complications that accompany common disorders of the skeletal system.

- III. Describe disease processes common to the respiratory system.
 1. List common disorders of the respiratory system.
 2. Identify the disease classification for common disorders of the respiratory system.
 3. State the etiology, with age group and gender most affected, for common disorders of the respiratory system.
 4. Indicate manifestations of common disorders of the respiratory system.
 5. Describe the radiographic appearance of common disorders of the respiratory system.
 6. List any changes in radiographic procedure/technique necessary for common disorders of the respiratory system.
 7. List several methods of treatment for common disorders of the respiratory system.
 8. Identify any major complications that accompany common disorders of the respiratory system.

- IV. Describe disease processes common to the abdomen and hepatobiliary system.
 1. List common disorders of the abdomen and hepatobiliary system.
 2. Identify the disease classification for common disorders of the abdomen and hepatobiliary system.
 3. State the etiology, with age group and gender most affected, for common disorders of the abdomen and hepatobiliary system.
 4. Indicate manifestations of common disorders of the abdomen and hepatobiliary system.
 5. Describe the radiographic appearance of common disorders of the abdomen and hepatobiliary system.
 6. List any changes in radiographic procedure/technique necessary for common disorders of the abdomen and hepatobiliary system.
 7. List several methods of treatment for common disorders of the abdomen and hepatobiliary system.
 8. Identify any major complications that accompany common disorders of the abdomen and hepatobiliary system.

- V. Describe disease processes common to the digestive system.
 1. List common disorders of the digestive system.
 2. Identify the disease classification for common disorders of the digestive system.
 3. State the etiology, with age group and gender most affected, for common disorders of the digestive system.
 4. Indicate manifestations of common disorders of the digestive system.
 5. Describe the radiographic appearance of common disorders of the digestive system.
 6. List any changes in radiographic procedure/technique necessary for common disorders of the digestive system.
 7. List several methods of treatment for common disorders of the digestive system.
 8. Identify any major complications that accompany common disorders of the digestive system.

- VI. Describe disease processes common to the genitourinary system.
1. List common disorders of the genitourinary system.
 2. Identify the disease classification for common disorders of the genitourinary system.
 3. State the etiology, with age group and gender most affected, for common disorders of the genitourinary system.
 4. Indicate manifestations of common disorders of the genitourinary system.
 5. Describe the radiographic appearance of common disorders of the genitourinary system.
 6. List any changes in radiographic procedure/technique necessary for common disorders of the genitourinary system.
 7. List several methods of treatment for common disorders of the genitourinary system.
 8. Identify any major complications that accompany common disorders of the genitourinary system.

- VII. Describe disease processes common to the cardiovascular system.
1. List common disorders of the cardiovascular system.
 2. Identify the disease classification for common disorders of the cardiovascular system.
 3. State the etiology, with age group and gender most affected, for common disorders of the cardiovascular system.
 4. Indicate manifestations of common disorders of the cardiovascular system.
 5. Describe the radiographic appearance of common disorders of the cardiovascular system.
 6. List any changes in radiographic procedure/technique necessary for common disorders of the cardiovascular system.
 7. List several methods of treatment for common disorders of the cardiovascular system.
 8. Identify any major complications that accompany common disorders of the cardiovascular system.

- VIII. Describe disease processes common to the central nervous system.
1. List common disorders of the central nervous system.
 2. Identify the disease classification for common disorders of the central nervous system.
 3. State the etiology, with age group and gender most affected, for common disorders of the central nervous system.
 4. Indicate manifestations of common disorders of central nervous system.

- IX. Describe common neoplasms relating to the various body systems.
1. Identify common neoplasms relating to the following body systems:
 - A. Skeletal system
 - B. Respiratory system
 - C. Hepatobiliary system
 - D. Digestive system
 - E. Genitourinary system
 - F. Cardiovascular system
 - G. Central Nervous system
 2. State the etiology, with age group and gender most affected, for common neoplasms of the various body systems.
 3. Indicate manifestations of common neoplasms of the various body systems.
 4. Describe the radiographic appearance of common neoplasms of the various body systems.
 5. List any changes in radiographic procedure/technique necessary for common neoplasms of the various body systems.
 6. List several methods of treatment for common neoplasms of the various body systems.
- X. Complete a pathology search involving two different pathologies, one from each of two categories.
1. Use the SCC Library system to locate books.
 2. Locate shelved books using the Library of Congress classification system.
 3. Locate journal articles using the Periodical Indexes subscribed to the Library.
 4. Describe the two different pathologies according to the pathology search guidelines.