South Plains College-Reese Center
Course Syllabus

COURSE:	**RADR 2217-200 (2:0:0), Radiographic Pathology**
SEMESTER:	**Fall 2025**
CLASS TIMES:	**TR: 11:00-12:15**
INSTRUCTOR:	**Erica Castillo**
OFFICE:	**RC 512A**
OFFICE HOURS:	**MW: 11:30-1:30 TR: 9:00-11:00 F: by appointment**
OFFICE PHONE:	**806-716-4628**
E-MAIL:	**ecastillo@southplainscollege.edu**

"South Plains College improves each student's life."

GENERAL COURSE INFORMATION

It is the responsibility of each student to be familiar with the content and requirements listed in the course syllabus.

COURSE DESCRIPTION
This course provides an overview of the disease processes and their appearance on radiographic images.

COURSE OBJECTIVE
This course will introduce various types of diseases visualized on radiographic images and will prepare the student to be able to distinguish the diseases as being normal or abnormal findings.

STUDENT LEARNING OUTCOMES
Classify types of diseases; explain the pathogenesis of common diseases; differentiate between normal and abnormal radiographic findings; and correlate normal and abnormal radiographic findings.

EVALUATION METHODS
The course grade will be determined by a combination of pop quizzes, a pathology project, major exams and a comprehensive final exam.

ACADEMIC INTEGRITY
It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

Cheating - Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in the office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of coursework. This applies to quizzes of whatever length, as well as final examinations, to daily reports and to term papers and projects.

Plagiarism - Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from themes, reports or other writings of a fellow student, is guilty of plagiarism.

If found cheating or plagiarizing, the student's future in this program will be based on the decisions from the Allied Health Departmental Director's Committee.

HONORLOCK TEST PROCTORING

All exams taken while in the Radiologic Technology Program (in-person or virtually) are proctored through Honorlock.

Honorlock will monitor the following:

- Your computer screen
- Your web traffic (browser)
- Your use of a provided calculator
- URL(s) visited

The copy, paste, & print functions will be disabled during the exam.

The student will be allowed a scratch piece of paper (provided by and then collected by the instructor) and something to write with.

Any issues with any of the following will be addressed.

BLACKBOARD

Blackboard is an e-Education platform designed to enable educational innovations everywhere by connecting people and technology. This educational tool will be used in this course throughout the semester.

The student should only access his or her own Blackboard account. Granting permission to another or accessing another student's Blackboard account is prohibited and against the Academic Integrity code.

SOCIAL MEDIA

Facebook: **https://www.facebook.com/spcradtechprogram**
Instagram: **https://www.instagram.com/spcradtech/**

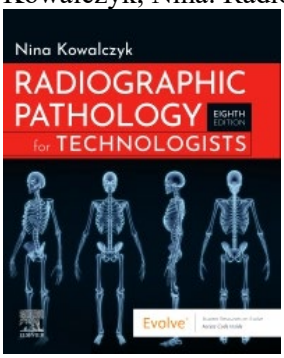
SCANS and FOUNDATION SKILLS

Scans and foundation skills are identified for specific course objectives. A complete list explaining these skills is at the bottom of the syllabus for your information.

SPECIFIC COURSE INFORMATION

REQUIRED TEXT AND MATERIALS

Kowalczyk, Nina. Radiographic Pathology for Technologists. 8th Edition.



ATTENDANCE POLICY (read carefully)

SPC - Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting.

Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy.

It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

SPC Radiologic Technology - Class attendance is mandatory. Students with **three (3) absences** will be counseled. Students are allowed five (5) absences during fall semester. After the 5th absence, the student will be dropped from the program regardless of the student's grade. Policies regarding absences coincide with those established for South Plains College as outlined in the SPC General Catalog.

An absence is an absence. The Radiologic Technology faculty do not distinguish between an excused and an unexcused absence.

It is extremely important that students arrive for class **ON TIME. Tardiness** disrupts the instructor and the other students. Students who chronically arrive late will be counseled. The student should be prepared for class at the scheduled class start time. **3 tardies will equal one absence**.

Students with perfect attendance and two (2) or less tardies will be awarded two (2) points to their final grade at the end of the semester.

***Daily attendance will be taken promptly at the beginning of class.**

DROPS AND WITHDRAWALS

http://www.southplainscollege.edu/admission-aid/apply/schedulechanges.php

ADVISING

http://www.southplainscollege.edu/admission-aid/advising/spcadvisors.php

INSTRUCTIONAL METHODS

The student will receive course information through a series of lectures, PowerPoint presentations, lab assignments, and textbook assignments.

CLASSROOM PARTICIPATION

Attending class regularly will provide the student opportunity to supplement their reading assignments and acquire a better understanding of the course material. Class time missed will result in information gaps and will increase course difficulty. It is the student's responsibility to attend class which will enable him or her to take notes, ask questions, and participate in class discussions. Information handouts may be given in certain instances, but the student should not rely on them. The student is encouraged to take adequate notes during class. Recording class is permitted.

ASSIGNMENT POLICY

The student is responsible for being prepared for class, which means reading the assigned chapters and/or pages from the textbook prior to class. The textbook is a mandatory requirement. **The student must bring the textbook/e-book to every class.** In some instances, information from the reading assignments not covered during class may be included on an exam.

COMPUTER USAGE

As computer technology in the field of health occupations continues to become more popular, computers will be used in this course for several assignments. All students have access to open computers and printers on the South Plains College campus. Students will be expected to utilize computers to access assignments and classroom resources. All registered students are supplied with a working email account from South Plains College. In order to take exams, students must have their user name and password.

ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USER NAME AND PASSWORD.

COMPUTER LAB USAGE

The open computer lab(s) on any campus may be used by students during scheduled open hours or as assigned by an instructor. Printer paper will not be provided for students to print materials, but students may seek assistance from faculty or staff to request lab paper from the college if needed. Lack of computer lab paper is not an excuse for not having homework assignments, skills lab sheets, or any other required documents. Students should come prepared for class.

REVIEW

If a student needs assistance with reviewing any of the information giving during class or lab, the student is encouraged to make an appointment with the instructor.

CONFERENCES

If at any time a student is not satisfied with their overall performance, he/she is encouraged to schedule an appointment with me. If necessary, a plan can be developed to help the student improve in their areas of weakness.

GRADING RUBRIC

Grades in this course will be determined using the following criteria:

Assessment Tool	Assessment Criteria	Percentage Score	Grade
PATHOLOGY PROJECT 20%	✓ Exceptional unit content knowledge & understanding	90 – 100	A
	✓ Good unit content knowledge & understanding	80 – 89	B
	✓ Average unit content knowledge & understanding	75 – 79	C
	✓ Unacceptable unit content knowledge & understanding	0 – 74	F
MAJOR EXAMS 50%	✓ Exceptional course content knowledge & understanding	90 – 100	A
	✓ Good course content knowledge & understanding	80 – 89	B
	✓ Average course content knowledge & understanding	75 – 79	C
	✓ Unacceptable unit content knowledge & understanding	0 – 74	F
FINAL EXAM 30%	✓ Exceptional unit content knowledge & understanding	90 – 100	A
	✓ Good unit content knowledge & understanding	80 – 89	B
	✓ Average unit content knowledge & understanding	75 – 79	C
	✓ Unacceptable unit content knowledge & understanding	0 – 74	F

Course Grade: A 90 – 100
B 80 – 89
C 75 – 79
F 0 – 74

A grade average of C (75) must be maintained in all RADR classes. Failure to do so will result in the student being dropped from the program.

Pathology Project – 20%

A pathology project will be worked on throughout the semester outside of class.

The following guidelines will be followed regarding **Pathology Project:**

1. The student will have a pathology project rubric to follow.
2. Each student will prepare a pathology project that will be presented orally by power point to the class.
3. Examples of the pathology project can be found on Blackboard.
4. The student will work on the pathology project outside of class.
5. The student will work on the pathology project independently from other students, however, help from the instructor is permitted.
6. The pathology project is due by the assigned due dates and times. Due dates are posted on the class schedule and the grading rubric found on Blackboard. **If late, work will still need to be submitted, however a zero (0) will be recorded.**

Major Exams – 50%
Scheduled major exams will be given throughout the semester following each module presented. Exams will be taken electronically in the computer lab.

The following guidelines will be followed regarding **Major Exams**:

1. The student will complete the exam at the scheduled time. **Make-up exams are at the instructor's discretion.**
2. The student must complete the exam within the allotted class time of **75 minutes**.
3. If a major exam is missed, a zero will be recorded in the gradebook for that exam.
4. A student arriving late for an exam will not be allowed to take the exam if **any** student has completed the exam and has left the room. This will also count as a tardy.
5. No cell phones, smart watches, calculators or other electronic assistance devices are allowed during exams.
6. No hats, hoodies, beanies, headphones, earpieces, etc. may be worn during an exam.
7. Major exams are not available to print or save. Once you have finished your exam, please review the exam. Students may review exams in the instructor's office by appointment.

After TWO failed exams in a RADR course it is mandatory that the student:

- will meet with the instructor of that course and the Early Alert process will be initiated.
- will meet with an academic advisor/counselor before the next exam of that course.
- submit documentation to the instructor of the academic advisor/counselor meeting.

Final Exam – 30%
A comprehensive final exam will be given at the end of the semester. Two hours will be allotted for the final exam which will be completed electronically in the computer lab.

The following guidelines will be followed regarding the **Final Exam**:

1. The final exam will be comprehensive.
2. The final exam must be completed within the allotted time, **2 hours**.
3. If the final exam is missed, a zero will be recorded in the gradebook for that exam.
4. A student arriving late for an exam will not be allowed to take the final exam if **any** student has completed the exam and left the room.
5. No cell phones, smart watches, calculators or other electronic assistance are allowed during exams.
6. No hats, hoodies, beanies, headphones, earpieces, etc. may be worn during an exam.
7. The final exam is not available to print or save. Once you have finished your exam, please review the exam. Students may review exams in the instructor's office by appointment.

COMMUNICATION POLICY
Electronic communication between instructor and students in this course will utilize the South Plains College email systems and GroupMe. The instructor will not initiate communication using private email accounts. **Students should check their SPC email and GroupMe on a daily basis.**

STUDENT CONDUCT
Students in this class are expected to abide by the standards of student conduct as defined in the SPC Student Guide and the Radiologic Technology Program Student Handbook.

Rules and regulations relating to the students at South Plains College are made with the view of protecting the best interests of the individual, the general welfare of the entire student body and the educational objectives of the college. As in any segment of society, a college community must be guided by standards that are stringent enough to prevent disorder, yet moderate enough to provide an atmosphere conducive to intellectual and personal development.
A high standard of conduct is expected of all students. When a student enrolls at South Plains College, it is assumed that the student accepts the obligations of performance and behavior imposed by the college relevant to its lawful missions, processes and functions. Obedience to the law, respect for properly constituted authority, personal honor, integrity and common sense guide the actions of each member of the college community both in and out of the classroom.

Students are subject to federal, state and local laws, as well as South Plains College rules and regulations. A student is not entitled to greater immunities or privileges before the law than those enjoyed by other citizens. Students are subject to such reasonable disciplinary action as the administration of the college may consider appropriate, including suspension and expulsion in appropriate cases for breach of federal, state or local laws, or college rules and regulations. This principle extends to conduct off-campus which is likely to have adverse effects on the college or on the educational process which identifies the offender as an unfit associate for fellow students.
Any student who fails to perform according to expected standards may be asked to withdraw.
Rules and regulations regarding student conduct appear in the current Student Guide.

CELL PHONES

Cellphones must be put away and are to be turned **off** or put on **silent** during scheduled class/lab periods, unless prior approval has been given from the instructor. Cell phones are to be used only outside of the classroom while class is in session. **THIS INCLUDES TEXT MESSAGING AND/OR INTERNET BROWSING.**

Students will be dismissed from class/lab and sent home if a phone continuously rings/vibrates or if the student is discovered texting or browsing the internet. If dismissed from class, the student will receive an **absence** for the day. In case of emergencies, the student can also be reached by calling the front desk at (806)716-4622.

SPC SYLLABUS STATEMENTS

https://www.southplainscollege.edu/syllabusstatements/

COURSE OUTLINE AND OBJECTIVES

INTRODUCTION TO PATHOLOGY

The student will be able to:

1. Define common terminology associated with the study of disease.
2. Differentiate between signs and symptoms.
3. Distinguish between disease diagnosis and prognosis.
4. Describe the different types of disease classifications.
5. Cite characteristics that distinguish benign from malignant neoplasms.
6. Describe the system used to stage malignant tumors.
7. Identify the difference in origin of carcinoma and sarcoma.

TRAUMATIC DISEASE

The student will be able to:

1. Differentiate among level I, II, and III trauma centers and the role each plays in the emergency medical system.
2. Define common terminology associated with traumatic disease.
3. Discuss the roles of various imaging modalities in the evaluation and treatment of traumatic injuries.
4. Describe, in general, the radiographic appearance of each of the given pathologies.
5. Classify skeletal fractures according to the various classifications discussed in this chapter and describe the healing process associated with skeletal trauma.
6. Describe the general methods used for the treatment of skeletal fractures.

RESPIRATORY SYSTEM

The student will be able to:

1. Describe the anatomic components of the respiratory system.
2. Describe the various types of tubes, vascular access lines, and catheters used in relation to the respiratory system.
3. Characterize a given condition as congenital, inflammatory, or neoplastic.
4. Identify the pathogenesis of the chest pathologies cited and the typical treatments for them.
5. Describe, in general, the radiographic appearance of each of the given pathologies.

SKELETAL SYSTEM

The student will be able to:

1. Describe the anatomic components of the skeletal system on a macroscopic level and basic microscopic level.
2. Identify and explain the criteria for assessing technical adequacy of skeletal radiographs.
3. Characterize a given condition as congenital, inflammatory, arthritic, or neoplastic.
4. Specify the pathogenesis, signs and symptoms, and prognosis of the skeletal pathologies cited in this chapter.
5. Explain the role of various imaging modalities in the diagnosis and treatment of skeletal pathologies.

ABDOMEN AND GASTROINTESTINAL SYSTEM

The student will be able to:

1. Describe the anatomic components of the abdomen and the gastrointestinal system and how they are visualized radiographically.
2. Compare and contrast the various imaging modalities used in the evaluation of the abdomen and gastrointestinal system.
3. Identify the tubes and catheters related to the gastrointestinal system by type, and explain their use.
4. Characterize a given condition as congenital, inflammatory, neurogenic, or neoplastic.
5. Identify the pathogenesis of the gastrointestinal diseases cited and typical treatments for them.
6. Describe, in general, the radiographic appearance of each of the given pathologies.
7. Understand which imaging modalities foster the diagnosis of the cited abdominal and gastrointestinal pathologies.

URINARY SYSTEM

The student will be able to:

1. Describe the anatomic components of the urinary system and their functions.
2. Discuss the role of other modalities in imaging the urinary system, particularly sonography and computed tomography.
3. Discuss common congenital anomalies of the urinary system.
4. Characterize a given condition as inflammatory or neoplastic.
5. Identify the pathogenesis of the diseases cited and the typical treatments for each.
6. Describe, in general, the radiographic appearance of each of the given pathologies.

CENTRAL NERVOUS SYSTEM

The student will be able to:

1. Describe the anatomic components of the central nervous system and their general function.

2. Discuss the roles of the various imaging modalities in evaluation of the central nervous system, particularly magnetic resonance imaging and computed tomography.
3. Discuss common congenital anomalies of the central nervous system.
4. Characterize a given condition as inflammatory, degenerative, vascular, or neoplastic.
5. Identify the pathogenesis of the diseases cited and the typical treatments for each.
6. Discuss the imaging modalities most commonly used for each type of central nervous system pathology discussed in this chapter.
7. Describe, in general, the radiographic appearance of each of the given pathologies.

ENDOCRINE SYSTEM

The student will be able to:

1. Describe the anatomic components and function of the endocrine system.
2. Identify and explain the various imaging modalities used in diagnosing and treating endocrine disorders.
3. Specify the disorders, signs and symptoms, and prognosis of the endocrine pathologies discussed in this chapter.

FOUNDATION SKILLS

BASIC SKILLS–Reads, Writes, Performs Arithmetic and Mathematical Operations, Listens and Speaks
F-1 Reading–locates, understands, and interprets written information in prose and in documents such as manuals, graphs, and schedules.
F-2 Writing–communicates thoughts, ideas, information and messages in writing and creates documents such as letters, directions, manuals, reports, graphs, and flow charts.
F-3 Arithmetic–performs basic computations; uses basic numerical concepts such as whole numbers, etc.
F-4 Mathematics–approaches practical problems by choosing appropriately from a variety of mathematical techniques.
F-5 Listening–receives, attends to, interprets, and responds to verbal messages and other cues.
F-6 Speaking–organizes ideas and communicates orally.

THINKING SKILLS–Thinks Creatively, Makes Decisions, Solves Problems, Visualizes and Knows How to Learn and Reason
F-7 Creative Thinking–generates new ideas.
F-8 Decision-Making–specifies goals and constraints, generates alternatives, considers risks, evaluates and chooses best alternative.
F-9 Problem Solving–recognizes problems, devises and implements plan of action.
F-10 Seeing Things in the Mind's Eye–organizes and processes symbols, pictures, graphs, objects, and other information.
F-11 Knowing How to Learn–uses efficient learning techniques to acquire and apply new knowledge and skills.
F-12 Reasoning–discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

PERSONAL QUALITIES–Displays Responsibility, Self-Esteem, Sociability, Self-Management, Integrity and Honesty
F-13 Responsibility–exerts a high level of effort and perseveres towards goal attainment.
F-14 Self-Esteem–believes in own self-worth and maintains a positive view of self.
F-15 Sociability–demonstrates understanding, friendliness, adaptability, empathy and politeness in group settings.

F-16 Self-Management–assesses self accurately, sets personal goals, monitors progress and exhibits self-control.
F-17 Integrity/Honesty–chooses ethical courses of action.

SCANS COMPETENCIES

C-1 **TIME** - Selects goal - relevant activities, ranks them, allocates time, prepares and follows schedules.
C-2 **MONEY** - Uses or prepares budgets, makes forecasts, keeps records and makes adjustments to meet objectives.
C-3 **MATERIALS AND FACILITIES** - Acquires, stores, allocates, and uses materials or space efficiently.
C-4 **HUMAN RESOURCES** - Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

INFORMATION - Acquires and Uses Information
C-5 Acquires and evaluates information.
C-6 Organizes and maintains information.
C-7 Interprets and communicates information.
C-8 Uses computers to process information.

INTERPERSONAL–Works With Others
C-9 Participates as a member of a team and contributes to group effort.
C-10 Teaches others new skills.
C-11 Serves Clients/Customers–works to satisfy customer's expectations.
C-12 Exercises Leadership–communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.
C-13 Negotiates-works toward agreements involving exchanges of resources; resolves divergent interests.
C-14 Works With Diversity–works well with men and women from diverse backgrounds.

SYSTEMS–Understands Complex Interrelationships
C-15 Understands Systems–knows how social, organizational, and technological systems work and operates effectively with them.
C-16 Monitors and Corrects Performance–distinguishes trends, predicts impacts on system operations, diagnoses systems performance and corrects malfunctions.
C-17 Improves or Designs Systems–suggests modifications to existing systems and develops new or alternative systems to improve performance.

TECHNOLOGY–Works with a Variety of Technologies
C-18 Selects Technology–chooses procedures, tools, or equipment, including computers and related technologies.
C-19 Applies Technology to Task–understands overall intent and proper procedures for setup and operation of equipment.
C-20 Maintains and Troubleshoots Equipment–prevents, identifies, or solves problems with equipment, including computers and other technologies.