



Course Syllabus: Sectional Anatomy

College of Health Sciences & Human Services

RADS 4733 Section 11

Fall 2026

Contact Information

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Course Description

This course is a study of human anatomy viewed in sectional planes. Students will compare planar anatomy to sectional anatomy and recognize anatomical structures in computed tomography and magnetic resonance imaging. Studies will include the cranium, brain, spine, neck, chest, abdomen, pelvis, and extremities

Radiologic technologists should demonstrate increased awareness of how the human body is arranged three-dimensionally. This course provides opportunities to recognize relationships between standardized anatomical structures prior to working with variations found in "live" patients

By the conclusion of the course, the successful student should be expected to:

- Recognize anatomic structures in various planes.
- Relate planar anatomy to line drawings of related cross-sectional anatomy.
- Describe the spatial relationship of one structure to another.
- Differentiate between the appearances of anatomic structures among different modalities such as Computed Tomography. (CT) and Magnetic Resonance Imaging (MRI).
- Identify the strengths and weaknesses of each imaging modality for identifying specific pathological processes.

Textbook & Instructional Materials

Kelley, L.L. & Petersen, C.M. (2018). Sectional anatomy for imaging professionals. (4th ed.). St. Louis, MO: Elsevier [ISBN: 978-0-323-41487-6]

American Psychological Association. (2010). Publication manual of the American Psychological Association (7th ed.). Washington, DC: American Psychological Association. [ISBN 978-1-4338-3216-1]

Student Handbook

Refer to: [Student Handbook](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. [Office of Student Conduct](#)

Moffett Library

Moffett Library provides resources and services to support student's studies and assignments, including books, peer-reviewed journals, databases, and multimedia materials accessible both on campus and remotely. The library offers media equipment checkout, reservable study rooms, and research assistance from librarians to help students effectively find, evaluate, and use information. Get started on this [Moffett Library webpage](#) to explore these resources and learn how to best utilize the library.

Grading

Table 1: Percentages allocated to each assignment

Assignments	Percentage
Module Quizzes (8)	35%
Sectional Anatomy PowerPoint	25%
Final Exam	40%

Table 2: Total percentages for final grade.

Grade	Percentages
A	89.5-100
B	79.5-89.4
C	69.5-79.4
D	59.5-69.4
F	Less than 59.4

Module Quizzes

Module quizzes will be located in D2L. Quizzes will be customized timed module quiz consisting of randomized multiple-choice and/or matching questions. Quiz questions will be from information learned in the modules and reading. All quizzes must be completed by the end of the assigned week. All modules will be opened at the beginning of the course and can be taken ahead of time.

Sectional Anatomy PowerPoint Assignment

Students will pick one (1) organ, joint, or section of the spine (cervical, thoracic, or lumbar) and an associated specific pathology to research. Use the bulleted guidelines below when choosing your topic. Students must submit their topic requests to the appropriate discussion by the due date indicated on the course schedule or a grade of zero (0) for the entire assignment may be assigned

Comprehensive Final Exam

The proctored comprehensive final examination is closed-book, matching and multiple-choice format. The exam is a timed, 2-hour (120 min) test. The comprehensive exam will be administered using Desire2Learn (D2L) and Respondus with webcam online proctoring service.

Instructor Policies

It is expected that all required assignments and discussion question responses are completed and submitted by their specified due dates. As a general rule, late assignments will not be accepted. Unplanned circumstances do happen. Please communicate with your instructor about such circumstances by email prior to the assignment due date. On some occasions, following acceptable documentation to authenticate your circumstance, your instructor will issue an extension prior to a due date.

Discussions will not be given extensions, due to the fact that other students rely on timely discussion posts in order to complete their own work and late posts impact your peers' learning. Late discussion posts submitted after the initial post due date week will not be accepted or graded as they prevent fellow students from considering your post and offering constructive feedback prior to the due date. A common rationale for late work is "computer issues".

Be proactive and create a contingency plan that will allow you to complete your work in the event of a computer meltdown, internet outage, or unplanned travel. "Problems with D2L" are not an acceptable excuse when turning in written assignments.

All assignment submissions made by students in D2L are considered final submissions. It is the student's responsibility to ensure that the correct and complete file has been uploaded. If a student submits an incorrect document, an incomplete draft, or any unintended version, the assignment will be graded as submitted. Students are strongly encouraged to double-check their upload before finalizing the submission. Additionally, Apple file formats such as .pages or Keynote files will not be accepted. All submissions must be uploaded in Microsoft Office formats—such as .doc, .docx, .ppt, or .xlsx—or as otherwise specified in the assignment instructions. There can be no email submissions of graded course work, since the MSU administrative team or any external reviewer cannot see any email communication from students.

In this course, the use of Generative AI tools (such as ChatGPT, Claude, Gemini, etc.) is permitted with specific limitations to ensure academic integrity and the development of critical research skills. Research & Sourcing: You may use AI tools for preliminary research and topic exploration. However, to ensure the validity and scholarly weight of your work. The use of AI in the writing process is strictly limited to spelling and grammar correction. AI tools are not permitted to generate text, arguments, analysis, or the bulk content of any assignment, including research papers, posters, and discussion board posts. Verification: To maintain the integrity in your work, you must be prepared to provide all sources used upon request. Failure to adhere to these guidelines will be treated as a violation of academic integrity. A violation will result in a grade of zero for the assignment. Egregious cases of academic dishonesty involving AI may result in a failing grade (F) for the course.

All work submitted in this course must uphold the standards of academic integrity. Plagiarism includes, but is not limited to

- Submitting work (in whole or in part) that was written by someone else
- Reusing text generated by another student or a group without proper attribution
- Copying or lightly rewording content from published or online sources
- Using AI-generated text without instructor permission or citation (if relevant to your course)

Any instance of plagiarism—intentional or unintentional—may result in a failing grade on the assignment and may be reported according to university policy.

Collaborative work is encouraged when designated as such. Working together can include brainstorming, discussing approaches, dividing tasks, and reviewing one another's ideas. However, all written submissions must be composed in your own words, even if the ideas originated during group discussion.

The following rules apply to group-permitted assignments:

- You may discuss concepts, share resources, and solve problems together.
- You may not submit identical or nearly identical wording, phrasing, sentences, or paragraphs as another student, even within the same group.
- Each student is responsible for producing an individually written, original response unless the assignment explicitly requires a single group-authored submission.
- If collaboration is allowed, you must list the names of the students you collaborated with.

Submitting group work with matching or very similar text will be treated as a form of plagiarism. All students involved may receive academic penalties, regardless of intent. A violation will result in a grade of zero for the assignment

Important Dates

- Deadline to file for graduation: September 21 for December graduation. Priority Deadline for May graduation October 5. [Academic Calendar](#).
- Last Day to drop with a grade of "W": November 23. [Academic Calendar](#).
- Refer to [Drops, Withdrawals & Void](#)

Desire-to-Learn (D2L)

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

Attendance

Although there is no attendance policy for this online course, it is essential to log into D2L at least once a week. News items may be posted that will require your attention. It is also a good idea to check your email a few times during the week.

Online Computer Requirements

You will need a computer that is Windows or Mac-based. Please note that Chromebooks will not work because of their incompatibility with the Respondus Lockdown Browser system used to proctor all tests and the final examination. You will also need a webcam with a working microphone and an adequate Internet connection. Taking an online class requires you to have access to a computer (with Internet access) to complete and upload your assignments. It is your responsibility to have (or have access to) a working computer in this class. ****Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to***

allow students extra time to submit assignments, tests, or discussion postings. Computers are available on campus in various areas of the buildings as well as the Academic Success Center. ***Your computer being down is not an excuse for missing a deadline!!** There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations; however, they are able to help you get connected to our online services. For help, log into [D2L](#).

Recording Classes

****Recording classes is generally prohibited without the professor's explicit permission.*** Such recordings, when permitted, are for personal use only and may not be uploaded to the internet or otherwise shared, transmitted, or published without the professor's prior consent. Some faculty may not permit recordings of their classes. When it is feasible and appropriate, students may record classes to accommodate disabilities under the Americans With Disabilities Act, with prior approval of Disability Support Services. Such recordings may not be uploaded to the internet or otherwise shared, transmitted, or published.

Administrative Process

Unresolved issues related to this course should be first addressed between the student and the course instructor. If there is no resolution, students must follow this sequence:

1. Department Chair: Dr. Lynette Watts (940) 397.4833
2. College Dean: Dr. Jeff Killion (940) 397.4594
3. Dean of Students: Matthew Park (940) 397.7500

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees, and room/board charges that were paid to MSU for the semester. **HOWEVER**, if the student received financial aid (federal/state/institutional grants, loans, and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state)

exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Student Wellness Center, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

Emergency Aid Resources for Basic Needs

Unexpected life circumstances can affect anyone. If you are experiencing challenges meeting basic needs—such as housing, utilities, food, transportation, healthcare, technology, textbooks or other life necessities, resources may be available to help. Visit the [Student Emergency Support and Resources webpage](#) to learn more, and explore emergency support opportunities through MSU and how to access them. For additional information, please contact the Office of Student Affairs: Clark Student Center #108, (940) 397-7500, student.affairs@mstuexas.edu.

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law

for any offenses involving illicit drugs on University property or at University-sponsored activities.

Campus Carry

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [MSUReady – Active Shooter](#). Students are encouraged to watch the video entitled “Run. Hide. Fight.” which may be electronically accessed via the University police department’s webpage: ["Run. Hide. Fight."](#)

Grade Appeal Process

Updated as needed. Students who wish to appeal a grade should consult the Midwestern State University [MSU Catalog](#)

***Notice:** Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Course Schedule:

Week or Module	Activities/Assignments/Exams	Due Date
Week 1 8/23 to 8/30	Review Syllabus Module 1 Quiz Due	8/30 by 11:59pm CST
Week 2 8/31 to 9/6	Sectional Anatomy PowerPoint Topic Due Begin Module 2	9/6 By 11:59pm CST
Week 3 9/7 to 9/13	Module 2 Quiz Due	9/13 by 11:59pm CST
Week 4 9/14 to 9/20	Begin Module 3	N/A
Week 5 9/21 to 9/27	Module 3 Quiz Due	9/27 by 11:59pm CST
Week 6 9/28 to 10/4	Begin Module 4	N/A
Week 7 10/5 to 10/11	Module 4 Quiz Due	10/11 by 11:59pm CST
Week 8 10/12 to 10/18	Begin Module 5	N/A
Week 9 10/19 to 10/25	Module 5 Quiz Due	10/25 by 11:59pm CST
Week 10 10/26 to 11/1	Begin Module 6	N/A
Week 11 11/2 to 11/8	Module 6 Quiz Due	11/8 by 11:59pm CST
Week 12 11/9 to 11/15	Begin Module 7	N/A
Week 13 11/16 to 11/22	Module 7 Quiz Due	11/22 by 11:59pm CST
Week 14 11/23 to 11/29	Sectional Anatomy PowerPoint Assignment Due Begin Module 8	11/29 by 11:59pm CST
Week 15 11/30 to 12/6	Module 8 Quiz Due Study for Final exam	12/6 by 11:59pm CST
Week 16 12/7 to 12/9	Final exam	12/9 by 11:59pm CST