



**Course Syllabus: Sectional Anatomy**  
**College of Health Sciences & Human Services**  
**RADS 4733x30 Summer 2025**

**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

**Student Learning Outcomes**

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]

### **Course Evaluation Methods**

<b># of Graded Course Elements</b>	<b>Graded Course Elements</b>	<b>Percentage</b>
8	D2L open book module quizzes	35%
1	Sectional Anatomy PowerPoint assignment	25%
1	Comprehensive closed book Final Exam	40%

<b>Letter Grade</b>	<b>Percentage Score</b>
A	89.5+
B	79.5-89.4
C	74.5-79.4
F	<74.5

### **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 Closed book 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.

### **Important Dates**

Last Day to drop with a grade of "W:" July 23, 2025 by 4:00 PM  
[Academic Calendar](#).

Refer to: [Drops, Withdrawals & Void](#)

### **Attendance**

This is an online course and there are no mandatory sessions. However, the student should be vigilant in logging in to D2L. Regular checks will ensure that messages from the instructor are received in a timely manner.

### **Instructor Course Policies**

**Conduct/Honesty/Honor System:** RADS 4733 adheres to the MSU Code of Conduct. In particular, academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that his or her work will be completed in full observance of the MSU Code of Student Conduct.

### **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 individuals 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](#)

### **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 complete an application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (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](#).

### **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."](#)

### **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

### **Grade Appeal Process**

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.

### **Tentative Course Schedule**

***\*All assignments are due by 11:59pm CST on the indicated due date\****

<b>Date</b>	<b>Activities/Assignments/Exams</b>
June. 2	Class begins-All quizzes are open
June 9	Sectional Anatomy PowerPoint Topic due by 11:59pm Module 1 is due by 11:59pm
June 16	Module 2 Quiz due by 11:59pm
June 19	Juneteenth Holiday—no additional days off this week
June 23	Module 3 is due by 11:59pm
June 30	Module 4 is due by 11:59pm
July 7	Module 5 is due by 11:59pm
July 14	Sectional Anatomy PowerPoint due by 11:59pm Module 6 is due by 11:59pm
July 21	Module 7 is due by 11:59pm
July 23	Last day to withdraw with a "W" by 4:00pm CST
July 28	Module 8 is are due by 11:59 pm
August 4-7	Closed Book Proctored Final Exam