



Spring 2023

Course Information

Name	RADS 4002 x201 – Image Analysis
Credit	2 hours
Term	Spring 2023
Dates	January 16, 2023-May 5, 2023
Time Commitment	Students should expect to spend at least 6 hours per week outside of class on course material (15 week term)
Prerequisites	None

Professors

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Communicating with the Professor

We prefer email so there is a record of the communication and often we are away from our desks. Phone calls may be answered by email when appropriate. We will respond or at least acknowledge all student communications within five (5) business days. If this time period will be longer because we are out of town or for another reason, a news item will be posted online in D2L for the class. Please always give us the time asked for to respond before repeating your request.

Course Description

RADS 4002-201 Image Analysis Spring 2023

This course will focus on the in-depth analysis of radiographic images to include, but not limited to positioning, technique, anatomy and pathology, and quality factors.

Course Objectives

Upon completion of this course, the students will:

- Identify normal anatomy for all radiographic anatomy in the human body.
- Differentiate acceptable from unacceptable technical factors.
- Judge accuracy of positioning on radiographic images.

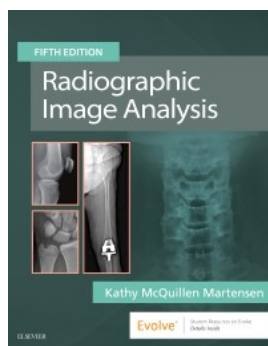
Teaching Methodology

Independent reading assignments, D2L open book module tests, directed questioning, and a comprehensive, final examination.

Course Materials

Textbook Required

Martensen, K. M., (2020). Radiographic Analysis. (5th ed.) Elsevier Inc., St Louis, Mo. ISBN 978-0-323-52281-6



Course Modules

- Module 1: Image analysis of the Upper Extremity and Shoulder (Chapters 4-5)
- Module 2: Image analysis of the Lower Extremity (Chapter 6)
- Module 3: Image analysis of the Hip and Pelvis (Chapter 7)
- Module 4: Image analysis of the Cervical and Thoracic Vertebrae (Chapter 8)

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- Module 5: Image analysis of the Lumbar Vertebrae, Sacrum, and Coccyx
(Chapter 9)
- Module 6: Image analysis of the Chest and Abdomen
(Chapter 3)
- Module 7: Image analysis of the Sternum and Ribs
(Chapter 10)
- Module 8: Image analysis of the Cranium
(Chapter 11)
- Final examination

Tentative Schedule

There will be a “Hot Seat” at the beginning of each class day beginning on February 2nd. It is important for you to read the coinciding chapter material for each class period prior to the lecture. More instruction will be given during the first class period.

Important Dates:

<u>Date</u>	<u>Assignment</u>
January 19	Intro & 3D Thinking
January 26	Rubric
February 2	Hand to Shoulder
February 9	ACERT
February 16	Clavicle, AC Joints, Scapula, SC for rotation only
February 23	Toes to Knee
March 2	Femur, Hip, & Pelvis
March 9	C-Spine
March 16	Spring Break
March 23	T & L-Spine
March 30	Sacrum, Coccyx, & SI Joints
April 6	Easter
April 13	Abdomen & Chest
April 20	Ribs, Sternum
April 27	Skull & Facial Bones
May 4	Sinus & Mandible
May 9	Final Exam 1:00-3:00pm

TEST	DUE DATE
Chapter 4 & 5 Quizzes	Feb 18 th
Chapter 6 & 7 Quizzes	March 4 th
Chapter 8 & 9	April 1 st
Chapter 3 & 10	April 22 nd
Chapter 11	May 6 th

Evaluation

Grade Distribution

- 15% Participation
- 30% Module Tests (10)
- 30% Hot Seat
- 25% Comprehensive Final Examination

Grading Scale

A = 100-90
B = 89-80
C = 79-70
D = 69-60
F = 59 and below

Grading Cycle

All assignments are graded together as a group to maintain a higher level of consistency. Grading begins on the first business day after a due date, outside of university holidays and professional meetings, and is typically completed before the next due date. You may track your progress through the Gradebook in D2L.

Feedback

Feedback varies throughout the course. The News section of the course is where I will send messages to the entire class. It is best to set up your D2L account to receive an email notification (to the email of your choice) when News items are posted, so you do not miss important updates.

1. Click the down arrow in the News section on the 4002 course home page
2. Select Notifications
3. Check the box next to "News - new item available" and then check any other boxes you wish to receive an email notification from.
4. Check the email address you wish to send email notifications. If you need to change this, select "change your email settings" and enter the new email address. This email address should be an email address you check frequently.

You are welcome to email questions to clarify concepts or look for further explanations. If I come across repeated questions I will provide feedback or supplementary resources in the News section of the course so that everyone can benefit from it. You might look there first, because your question may be located there

Late Work

Due Dates

1. All activities for this course are listed in this syllabus. Activities such as quizzes have expiration dates. Please take note that expiration dates for quizzes may differ from deadlines for assignments and activities. Quizzes and assignments/activities are spaced out in a manner that will allow you ample time to complete them. Assignments/activities will be accepted on or before the posted due date and deadline. **Late assignments will be accepted on a case by case basis.**

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2. If a student cannot complete a course activity by the indicated due date, the student must contact the course instructor immediately. Please note that late submission may not be graded unless prior approval has been granted. If a student has emergency issues, then the student must contact the instructor as soon as possible (within a day or two).
3. If a course includes interaction between students in the discussion board, and if extenuating circumstances will prevent you from participating, an alternate assignment may be considered at the discretion of the professor.

Final Course Grade

A final course score of 70% is required to pass this course. Letter grades of “D” or “F” cannot be used for graduation and will require the course be repeated according to the current radiology program policies.

Technical Difficulties

On occasion, you may experience problems with accessing D2L, accessing class files located within D2L, connecting with your internet service, or you may encounter other computer related problems. Make the professor aware of a technical problem as soon as possible. If a problem occurs on our end, such as D2L failure, then a due date extension will typically be granted. **However, keep in mind 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.**

Dropbox assignments that can be attached in an email should be emailed to the professor as soon as a problem is encountered. Failure to do so may result in points being lost, regardless of connection issues.

For help options:

- For D2L issues go online go to the [Distance Education Helpdesk](#)
- By phone call the Distance Education office at 940-397-4868 between 8am and 5pm.
- Use the D2L help link in D2L.
- Contact your professor.
- For other computer access issues, go online to the MSU [Information Technology Website](#).

Attendance

Attendance is mandatory. Excessive unexcused absences will result in a referral to the Deal of the College of Health Sciences, and may result in your being dropped from the Program. Excessive unexcused absences are defined as: three (3) absences from lecture without prior approval from the instructor or for medical reasons (doctor’s note will be required). **Missed exams may only be made-up if prior arrangements have been made.** If a student is more than 10 minutes late to class, it will count as a tardy. Three (3) tardies will count as an absence.

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We all experience stressful and difficult events as a normal part of life. As your instructors, we believe your mental health is an important part of your academic success. Success in this course depends heavily on your personal health and wellbeing. Recognize that stress is an expected part of the college experience, and it often can be compounded by unexpected setbacks or life changes outside the classroom. We strongly encourage you to reframe challenges as unavoidable pathways to success. Reflect on your role in taking care of yourself throughout the term, before the demands of exams and projects reach their peak. Please feel free to reach out to us about any difficulty you may be having that may affect your performance in this course as soon as it occurs and before it becomes unmanageable. In addition to your academic advisor and us, we strongly encourage you to contact the many other support services on campus that stand ready to assist you.

- Counseling Center – call 940-397-4618 to schedule an appointment
- [BetterMynd](#)- free virtual counseling for students looking for evening appointments
- A list of self-help [apps](#)
- More online [resources](#)
- More [mental health resources](#)

Requesting a Withdrawal

The last opportunity to drop this course with a grade of “W” is 4:00pm on March 27, 2023. All withdrawals **must be initiated by the student**. After this date dropping the course results in a grade of “F”.

In an emergency or extenuating circumstance, a student may request a grade of “Incomplete” before grades are submitted. If the professor grants the “Incomplete,” the student has until thirty (30) days after the beginning of the next long semester to complete the course requirements. If the student does not complete the course requirements within the deadline, the grade of “Incomplete” will automatically convert into a grade of “F”.

Special Needs

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 adjustments in its policies, practices, services, and facilities to ensure equal opportunity for qualified persons with disabilities to participate in all educational programs and activities.

The Office of Disability Services (ODS) provides information and assistance, arranges accommodations, and serves as a liaison for students, professors, and staff. The ODS has assistive devices such as books on tape, recorders, and adaptive software which can be loaned to qualified individuals. A student/employee who seeks accommodations based on disability must register with the Office of Disability Services in the Counseling Center; Clark Student Center Room 108. Documentation of disability from a competent professional is required.

Individuals with grievances related to discrimination or lack of accommodation based on a disability are encouraged to resolve the problem directly with the area involved. If the

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matter remains unresolved, the Office of Disability Services for resolution will provide advice and/or assistance. The grievance procedure may be found in the Student Handbook and Activities Calendar.

The Director of the Counseling Center serves as the ADA Coordinator and may be contacted at (940) 397-4618, TDD (940) 397-4515, or 3410 Taft Blvd., Clark Student Center Room 108.

Administrative Process

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

1. Department Chair – Dr. Beth L. Vealé (940) 397-4611
2. College Dean - Dr. Jeff Killion (940-397-4594)
3. Dean of Students – Matthew Park (940-397-7500)

Honor System

RADS 4002 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. A student should consult the current Student Handbook for answers to any questions about the code.

All components of RADS 4002 are designed to represent the efforts of each student individually and are NOT to be shared, copied, or plagiarized from other sources. When students submit their efforts for grading, they are attesting they abided by this rule.

An online plagiarism service may be used in this course. Student assignments may be uploaded to the service for identification of similarities to other student papers and published works.

Cheating includes, but is not limited to

- Use of any unauthorized assistance in taking tests, tests, or examinations;
- Dependence upon the aid of sources beyond those authorized by the professor in writing papers, preparing reports, solving problems, or completing other assignments; or
- The acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to

- The use of, by paraphrase or direct quotation without correct citation in the text and in the reference list,
- The published or unpublished works of another person.
- Students may NOT submit papers and assignments that they have previously submitted for this or other courses.
- The use of materials generated by agencies engaged in "selling" term papers is also plagiarism.

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Academic dishonesty (cheating, plagiarism, etc.) will not be tolerated in this class. Whenever a student is unsure of whether a particular situation will be interpreted as academic dishonesty, he/she should ask the professor for clarification. If students are guilty of academic dishonesty, a grade of zero (0) will be given for the test, assignment, etc. Cases may also be referred to the Dean of Students for possible dismissal from the university.

Students are encouraged to review the tutorials and suggested websites for more information about plagiarism. If you have any questions about what constitutes plagiarism, please consult:

- The [University Academic Dishonesty Policy](#)
- The website [Plagiarism.Org](#), or
- The professor

Please Note

By enrolling in this course, the student expressly grants MSU a "limited right" in all intellectual property created by the student for the purpose of this course. The "limited right" shall include, but shall not be limited to the right to reproduce the student's work/project in order to verify originality and authenticity, and for educational purposes. Specifically, faculty may submit student papers and assignments to an external agency to verify originality and authenticity, and to detect for plagiarism.

Senate Bill 11

Senate Bill 11 Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the [University's campus carry webpage](#). If you have questions or concerns, please contact MSU Interim Chief of Police [Steve Callarman](#).