



Fall 2022

Course Information

Name	RADS 4002 x10 – Image Analysis
Credit	2 hours
Term	Fall 2022
Dates	August 22 – December 8
Time Commitment	Students should expect to spend at least 8 hours per week on course material (15 week term)
Prerequisites	None

Professors

Debra Wynne, MSRS, RT(R)
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 Centennial Hall 430G

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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

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

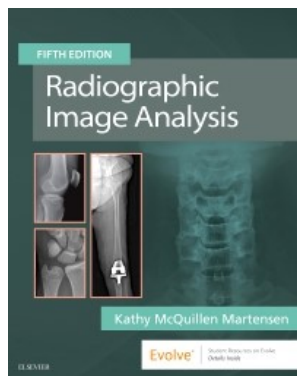
Independent reading assignments, D2L open book module tests, directed questioning, and a comprehensive, open book final examination.

Course Materials

Textbook Required

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

MSU Bookstore Prices: Digital: \$83.99



NOTES:

This book is currently on backorder from the publisher. The bookstore only has digital copies available.

Course Modules

- Module 1: Introduction / Guidelines for Image Analysis/visibility of Details (Chapter 1, 2,)
- Module 2: Image analysis of the Chest, Ribs & Sternum, and the Digestive System (Chapters 3,10,&12)
- Module 3: Image analysis of the Upper Extremity, Shoulder, Lower Extremity, & Hip & Pelvis (Chapter 4,5,6,&7)

Module 4: Image analysis of the Cervical & Thoracic Spine, Lumbar Spine, Sacrum & Coccyx, & the Cranium
(Chapter 8,9,11)

Final examination

Assignments

Every seminar there will be an Image Analysis lecture and discussion along with a IMAACREAP hot seat.

Each student will have at least two hot seat sessions during the semester. These sessions will require the student to analyze instructor-selected images from the module for that seminar using the IMAACREAP technique. These hot seat sessions will be randomized and students will be selected on-site (students will not know ahead of time when they will be chosen).

Important Dates:

<u>Date</u>	<u>Assignment</u>
Aug 31	Ch 1&2 Quizzes
Sep 27	Ch 3,10,&12 Quizzes
Oct 25	Ch 4,5,6,&7 Quizzes
Nov 29	Ch 8,9,&11 Quizzes

Evaluation

Grade Distribution

- 50% Chapter Tests (12)
- 50% Hot Seat (2)

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.***
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

This is an online course and there are no mandatory sessions. However, the student should be vigilant in logging in to D2L. The student should expect to log in at least 3 times per week. Regular checks will ensure that messages from the professor are received in a timely manner. This course is on a schedule that will be strictly adhered to. See the Important Dates section above for specific due dates.

Requesting a Withdrawal

The last opportunity to drop this course with a grade of “W” is 4:00pm on October 24, 2022. 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 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 ADA Coordinator may be contacted at (940) 397.4140, or 3410 Taft Blvd., Clark Student Center Room 168.

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.

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.

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.

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 as 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 [Safety/Emergency Procedures](#). Students are encouraged to watch the video entitled "[Run, Hide, Fight.](#)"

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)