



MIDWESTERN STATE UNIVERSITY

A Member of the Texas Tech University System

9/23

Course Number: RADS 4002 (2 hours)
Course Title: Image Analysis
Term: Spring 2024
Faculty: Debra R. Wynne, MSRS, RT(R)
(She/Her/Hers)
Centennial Hall Room 430G
3410 Taft Blvd
Wichita Falls, TX 76308
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Email: debra.wynne@msutexas.edu

Communicating with the Professor:

I prefer email so there is a record of the communication and, often, I am away from my desk. I will respond or at least acknowledge all student communications within five (5) business days. If this time period will be longer because I am out of town or for another reason, a news item will be posted online in D2L for the class. Please always give me the time asked to respond before repeating your request. You may also text me to include your name and which course you belong to or have a question about. Please note, I do not typically answer text messages from students on the weekends, but may ask you to email me so I can respond first thing Monday morning.

Course Overview:

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

Course Objectives: Upon completion of this course, students will be able to:

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| • Identify normal anatomy for radiographic anatomy in the human body |
| • Judge accuracy of positioning on radiographic images |
| • Differentiate acceptable from unacceptable radiographic images |

Textbooks:

REQUIRED

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

Pronouns:

Names and pronouns are deeply personal. Assumptions about them can cause harm. In this class, we will respectfully use whatever name and pronouns peers, authors, and community members ask us to use. If we make a mistake, we will respectfully correct ourselves. To learn more about personal pronouns and why they are important, please visit MSU Texas' [Guide to Pronouns](#) and pronouns.org

Methodology / Teaching Strategies:

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

Grading / Evaluation:

Participation	10%
Module Exams	25%
Hot Seats	40%
Comprehensive Final Exam	25%

A	89.5 – 100
B	79.5 - 89.45
C	69.5 – 79.45
D	59.5 – 69.45
F	Below 59.45

The last opportunity to drop this course with a grade of 'W' is 4:00pm April 24, 2024. Please refer to the Undergraduate Bulletin for details about receiving a grade of 'Incomplete' in a course.

In an emergency or extenuating circumstance, a student may request a grade of 'Incomplete' in a course before grades are submitted.

If the instructor 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.'

Attendance:

Attendance is mandatory. Excessive unexcused absences will result in a referral to the Dean 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 instructor or medical reasons (doctor's note will be required). **Missed exams may only be made-up if prior arrangements are made.** If a student is more than 10 mins late to class it will count as a tardy. Three (3) tardies will count as an absence.

We all experience stressful and difficult events as a normal part of life. As your instructor, I 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. I 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 me 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 me, I 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](#)

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.

Course Modules:

- Module 1: Guidelines for Image Analysis
(Chapter 1)
Image Analysis of the Upper Extremity & Shoulder
(Chapters 4-5)
- Module 2: Image Analysis of the Lower Extremity & Hip and Pelvis
(Chapters 6-7)
- Module 3: Image Analysis of the Cervical & Thoracic Vertebrae
(Chapter 8) AND
Image Analysis of the Lumbar Vertebrae, Sacrum, & Coccyx
(Chapter 9)
- Module 4: Image Analysis of the Chest & Abdomen
(Chapter 3) AND
Image Analysis of the Sternum & Ribs
(Chapter 10)
- Module 5: Image Analysis of the Cranium
(Chapter 11)

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, instructors, 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 on the basis of disability must register with the Office of Disability Services in the Counseling Center, Clark Student Center Room 168 or call (940) 397-4140, <https://msutexas.edu/student-life/disability/>. Documentation of disability from a competent professional is required.

Individuals with grievances related to discrimination or lack of accommodation on the basis of a disability are encouraged to resolve the problem directly with the area involved. If the matter remains unresolved, advice and/or assistance will be provided by the Office of Disability Services for resolution. 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.

Conduct / Honesty / Honor System:

RADS 3063 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/her work will be completed in full observance of the MSU code of Student Conduct. A student should consult the Student Handbook for answers to any questions about the code.

Students are encouraged to take full advantage of many resources available including Internet sites, handouts, other textbooks and journals, faculty, and peers. This interactive collegial learning environment is conducive to life-long learning.

Specific components of RADS 3063 are designed to represent the efforts of each student individually and are NOT to be shared. These components include the written assignments submitted for a grade. When students submit their efforts for grading, they are attesting they abided by this rule. Quizzes and exams are not to be copied in any form or shared in any form.

Cheating includes, but is not limited to, (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) 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 recognition, the published or unpublished works of another person. The use of materials generated by agencies engaged in "selling" term papers is also plagiarism.

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 product in order to verify originality and authenticity, and for educational purposes. Specifically, faculty may submit student papers and assignments to an external agency to detect plagiarism.

Academic dishonesty (cheating, plagiarism, etc.) will not be tolerated in this class. If a student is found to have committed academic dishonesty, a grade of zero (0) will be given for the quiz, assignment, etc. Cases may also be referred to the Dean of Students for possible dismissal from the university.

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:

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

Tentative Spring 2024 COURSE SCHEDULE

Dates	Activity
Jan 18	Ch 1; Ch 4
Jan 25	Ch 5
Feb 1	<i>Hot Seat 1; Module 1 Exam due 11:59pm</i>
Feb 8	Ch 6 to the knee
Feb 15	Ch 6 (Femur); Ch 7
Feb 22	<i>Hot Seat 2; Module 2 Exam due 11:59pm</i>
Feb 29	Ch 8
Mar 7	Ch 9
Mar 10-16	SPRING BREAK
Mar 21	<i>Hot Seat 3; Module 3 Exam due 11:59pm</i>
Mar 28	EASTER BREAK
Apr 4	Ch 3
Apr 11	Ch 10
Apr 18	<i>Hot Seat 4; Module 4 Exam due 11:59pm</i>
Apr 25	Ch 11
May 2	<i>Hot Seat 5 (tentative); Module 5 Exam due 11:59pm</i>
May 7 (8:00am)	FINAL EXAM