



Midwestern State University

Robert D. & Carol Gunn College of Health Sciences & Human Services
The Shimadzu School of Radiologic Sciences
Revised August 2022

Course Number: RADS 4813 3 credits Fall 2022
Course Title: Teaching Strategies in Imaging Sciences

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Course Overview:

This course explores curriculum development, instructional approaches, and assessment procedures for imaging sciences and radiation therapy educators.

Course Objectives:

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

- Outline general characteristics of the adult learner
- Identify the foundations of an academic course to include learning objectives, teaching plans, evaluation, and assessment
- Determine how technology can be used to enhance learning
- Develop teaching methods and strategies for structured, guided-practice, and unstructured settings

Textbooks:

Bastable, S. B., Gramet, P. R., Sopezyk, D. L., Jacobs, K., & Braungart, M. M. (2020). *Health professional as educator: Principles of teaching and learning* (2nd ed.). Jones & Bartlett Learning. [ISBN: 9781284155204] **Required**
Price: \$43.18 and up

Bradshaw, M. J., Hultquist, B. L., & Hagler, D. A. (2021). *Innovative teaching strategies in nursing and related health professions* (8th ed.). Jones & Bartlett Learning. [ISBN: 9781284170177] **Required** – Price: \$69.52 and up

Communication with the Instructor:

Communication will be through the student’s Midwestern State University email account. An email account is created for every MSU student. If you have not accessed this account yet, please do so by logging into the Portal and clicking the student email account icon located in the Portal. You have the option to have any messages sent here to be forwarded to the email account of your choice.

The instructor will respond or at least acknowledge email messages from students within a maximum of five (5) business days when MSU is in session. Beyond standard university holidays and breaks, the instructor will notify students of any extended periods of time when email contact is not practical (professional meetings, etc.).

When emailing the instructor, please include your full name, course and section number, and a thorough explanation in your message. This will help expedite your request or needs.

Students should also periodically check the ‘News’ section within D2L for course updates and other important information.

Class Meeting Date and Time:

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

This course is on a schedule that will be strictly adhered to. See the Course Schedule at the end of this syllabus for specific information about activities and due dates.

The instructor will be available to meet face-to-face with any interested students. This meeting is optional and must be confirmed by email ahead of time with the instructor.

Methodology/Teaching Strategies:

Independent reading assignments, discussion boards, directed assignments, and a final project.

Evaluation Method:

Percentage Distribution	Value
Discussion Boards	30%
Assignments	30%
Final Project	40%

Grading Scale:

Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

The last opportunity to drop this course with a “W” is 4:00pm October 24, 2022.

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.”

Any student desiring one (1) extra credit point added to their final course grade may email a shark picture to the professor with the subject line “Extra Credit” by September 1. No other extra credit opportunities will be offered in this course.

Student Responsibilities:

As a student enrolled in this course, you will be responsible for adhering to and meeting posted deadlines and due dates. All activities for this course are listed at the end of this syllabus and in D2L.

All modules have expiration dates. Independent readings 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. 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 submissions may not be graded unless prior approval has been granted. If a student has emergency issues, the student must contact the instructor as soon as possible (within a day or two).

Students must use baccalaureate level writing skills including complete sentences, correct grammar, and proper punctuation. All assignments will be graded for accuracy, completeness, quality, spelling, grammar, and integrity.

All assignments will be submitted in a dropbox within D2L. All assignments will be completed in Times New Roman or Arial, 12-point font.

Assignments:

Students may proceed through the course content at their own pace within the boundaries set by the course schedule and the MSU Academic Calendar. See the course calendar within D2L and the course schedule at the end of this syllabus for specific information about activities and due dates.

If students have technical difficulties, they should use the 'Help' link within D2L, contact the MSU Information Systems Support Staff, and send an email to the professor explaining what happened **at the time of the incident**.

All assignments must be written at the baccalaureate level and will be graded for accuracy, completeness, quality, spelling, grammar, and integrity. All assignments submitted will be considered complete and graded as such.

All assignments must be completed and submitted by the due date indicated on the course schedule at the end of this syllabus. 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 submissions may not be graded; students must contact the instructor for approval for late submissions. If a student has emergency issues, the student must contact the instructor as soon as possible (within a day or two). Any activity not completed and submitted by the due date will be addressed on an individual basis.

Independent Module Readings

- Module 1
 - Bastable – Chapters 3, 4, 5, 8, 9 (See course for specific pages)
 - Bradshaw – Chapters 1, 2, 3
- Module 2
 - Bastable – Chapters 10, 12, 14 (See course for specific pages)
 - Bradshaw – Chapters 25, 26, 27, 28
- Module 3
 - Bastable – Chapter 13 (See course for specific pages)
 - Bradshaw – Chapters 7, 8, 9
- Module 4
 - Bastable – Chapter 11
 - Bradshaw – Chapters 10-14
- Module 5
 - Bradshaw – Chapters 15, 16, 17, 18, 20, 21, 22

Discussion Boards (30%)

This course contains multiple graded discussion boards. Once all the required reading has been completed, students will post their answers to the appropriate discussion board. Each student must then write a substantial reply to two of their classmates' posts. Posts such as "I agree" are not acceptable. Original posts are due one week before the discussion board closes to provide ample time for everyone to reply.

See course schedule in this syllabus and D2L for specific due dates.

Assignments (30%)

There are several independent directed assignments in this course. All of the assignments are weighted evenly and constitute a combined 30% of the course grade.

Detailed instructions and grading rubrics for each assignment are available in D2L.

See course schedule in this syllabus and D2L for specific due dates.

Final Project (40%)

There is one major project for this course that aims to tie in all the concepts presented throughout the semester. Students may (and are encouraged to) work on this project as they progress through the course. The final version will be due at the end of the semester.

There will be a discussion board for students to post their proposed topic/activity for approval. Please be aware, each topic may only be used by one student. Topics/activities are first come-first serve.

Teach Me How

Students will choose a medical imaging-related activity and design a method of teaching others how to successfully complete the activity using resources discussed in the course. For example, the student may choose to teach a radiology student how to do a chest x-ray. The activity can be for any area of medical imaging, but must be substantial enough to include the following:

- Learning objectives
- Teaching plan with timeline
- Theoretical framework with explanation
- Technology used
- Evaluation methods
- Assessment methods
- Explanation of how the plan could be adapted for various learning styles and settings

Detailed instructions and a grading rubric are available in D2L.

See course schedule in this syllabus and D2L for specific due dates.

Tentative Course Schedule

Date	Activity <i>All assignments are due by 11:59 PM CST on the indicated due date</i>
Monday, August 22	Classes begin
Monday, September 12	Module 1 Assignments
Monday, September 19	Final Project Topic Request
Monday, October 3	Module 2 Assignments
Monday, October 17	Module 3 Assignments
Monday, November 7	Module 4 Assignments
Monday, November 28	Module 5 Assignments
Friday, December 2	Final Project

Disability Support Services:

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 Support Services (DSS) provides information and assistance, arranges accommodations, and serves as a liaison for students, instructors, and staff. The DSS has assistance 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 Support Services in the Clark Student Center Room 168 or call 940-397-4140 for more information. 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 4813 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 & journals, faculty, and peers. This interactive collegial learning environment is conducive to life-long learning.

Specific components of RADS 4813 are designed to represent the efforts of each student individually and are NOT to be shared. These components include the written assignment submitted for a grade. Submitting someone else's work as your own or improperly cited work constitutes plagiarism. Please see the Midwestern State University Catalog for further discussion of plagiarism. Plagiarism will constitute in an F for the course and the student will be referred to administration for further action. 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. Students caught engaging in such activity will receive an F for the course and be referred to University administration for dismissal.

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 citation in the text and on 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. Students are encouraged to review the tutorials and suggested websites for more information about 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 students work product in order to verify originality and authenticity, and for educational purposes.

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 [Safety / Emergency Procedures](#). 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. Beth Vealé (940) 397.4611
2. College Dean: Dr. Jeff Killion (940) 397.4594
3. Dean of Students: Matthew Park (940) 397.7500