



## Midwestern State University

Robert D. & Carol Gunn College of Health Sciences & Human Services

The Shimadzu School of Radiologic Sciences

Revised August 2023

Course Number: RADS 3203

3 credits

Fall 2023

Course Title: Pathophysiology

Faculty: **Jessyca Wagner, Ph.D., RT(R), CIIP (She/Her/Hers)**

Centennial Hall, Room 430D

Tel: 940-397-3256

Fax: 940-397-4845

Email: [jessyca.wagner@msutexas.edu](mailto:jessyca.wagner@msutexas.edu)

### Course Overview:

This course investigates general and organ system pathology. Content includes etiology, pathogenesis, clinical features, prognoses, and therapies for each specific pathology.

### Course Objectives:

Upon completion of this course, the students will:

- Describe how pathologic processes affect normal structure and function
- Identify the basic characteristics, etiology, pathogenesis, clinical features, and diagnostic tools, including medical imaging procedures, prognoses, and therapies for specific pathologies
- Write a pathology report with APA citations and a properly formatted APA reference list

### Course Resources:

Story, L. (2022). *Pathophysiology: A practical approach* (4<sup>th</sup> ed.). Jones & Bartlett Learning. [ISBN: 9781284205435] **Required**

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7<sup>th</sup> ed.). American Psychological Association. [ISBN: 9781433832161] **Required**

Current prices for course resources can be found through the MSU Bookstore:  
<https://www.bkstr.com/midwesternstatestore/shop/textbooks-and-course-materials>

### **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 in the Portal. You have the option to have any messages sent here forwarded to the email account of your choice.

The instructor will respond to 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.

Students should check for class announcements on the course website in D2L. This course also includes an UNGRADED discussion board on D2L so students may post questions they want the instructor to answer. The entire class will benefit from the answers. Students should check the Instructor Discussion Board at least once per week.

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.

**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 to 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 are considered complete and will be graded as such.**

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

**Course Behavior:**

All students will treat others with respect in this course. Discussion board posts will be professional and constructive.

**Pronouns**

Names and pronouns are deeply personal. Assumptions about them can cause harm. In this class, we will respectfully use whatever names and pronouns peers, authors, and community members ask us to use. If we make a mistake, we will respectfully correct ourselves. Please let me know if you have a chosen name different from that on your academic record or particular pronouns you prefer. To learn more about personal pronouns and why they are important, please visit MSU Texas' [Guide to Pronouns](#) and [pronouns.org](http://pronouns.org).

**Mental Health**

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 well-being. You should 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](#)

### **Methodology/Teaching Strategies:**

Independent reading assignments, D2L open book module quizzes, discussion boards, case study assignments, directed pathology report, and a comprehensive final examination.

### **Activities and 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**.

### **Independent Module Readings**

- Module 1: Chapters 1, 2, 3
- Module 2: Chapters 4, 5, 6
- Module 3: Chapters 7, 8, 9
- Module 4: Chapters 10, 11, 12
- Module 5: Chapters 13, 14

### **D2L Module Quizzes (25%)**

Students should complete the reading assignments and be familiar with the chapter objectives before attempting the module quizzes.

When a student has reviewed a module and is ready for the quiz, he/she will log into D2L and receive a customized timed module quiz consisting of randomized multiple choice questions. Quizzes contain 10 random questions and students will have 20

minutes to complete them. See the course schedule at the end of this syllabus for the open and close dates for the quizzes.

It is important to know the module content before attempting the module quizzes, since the quizzes are **timed**. Quiz scores will be available immediately after a student submits for grading. Students who know they will miss a due date because of extenuating circumstances should contact the instructor so their situations can be dealt with on an individual basis. Acceptance of an extenuating circumstance is at the discretion of the instructor.

If students have technical difficulties during a quiz, they should use the 'Help' link located on the top toolbar within D2L to contact the MSU Information Systems Support Staff and send an email to the course instructor immediately explaining what happened.

If a student finds a faulty quiz test item or believes a quiz question has been scored incorrectly, he/she should send an email to the course instructor that includes the following:

- Module quiz number (1-5)
- Question stem
- Rationale supporting why the student's answer is correct
- Include page numbers when referencing the textbook

For example, a student cannot send the message: "I think question number ten is wrong on quiz four" because each student gets a quiz of randomly generated test items. The instructor has to know the question stem to find the question in the database. After reviewing the situation, if the course instructor thinks a revision is justified, the students' quiz score will be revised to reflect the additional points and the test bank will be updated.

### **Discussion Boards (25%)**

Each module contains a graded discussion board. Once all the required reading has been completed, students will post their answer 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.

### **Pathology Report (30%)**

The purpose of this report is to reinforce the student's understanding of a pathologic condition and the medical imaging procedures used for diagnosing such pathology.

The topic for the report must be approved by the instructor. Students must post their topic selection to the appropriate discussion board by the due date to obtain approval. If

the topic is not submitted by the due date and approved by the instructor, the report will not be graded.

Detailed instructions for this report can be found on D2L.

**Review the grading rubric for this assignment on D2L.**

### **Comprehensive Final Exam (20%)**

The final exam is an **OPEN BOOK** comprehensive exam and will be administered within D2L. Students must have reliable internet access for the duration of the exam. Two hours will be given to answer 100 questions.

### **Evaluation Method:**

| <b>Percentage Distribution</b> | <b>Value</b> |
|--------------------------------|--------------|
| Module Quizzes                 | 25%          |
| Discussion Boards              | 25%          |
| Pathology Report               | 30%          |
| Comprehensive Final Exam       | 20%          |

### **Grading Scale:**

| <b>Grade</b> | <b>Range</b> |
|--------------|--------------|
| 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 4:00 PM October 30, 2023.**

In an emergency or extenuating circumstance, a student may request a grade of “Incomplete” in a course before grades are submitted. Please refer to the Undergraduate Bulletin for details about receiving a grade of “Incomplete” in a course.

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.

**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:**

This course adheres to the MSU Code of Conduct. In particular, academic dishonesty, however small, creates a breach of 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 lifelong learning.

Specific components of this course 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 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 artificial intelligence or agencies engaged in “selling” papers is also plagiarism. Students are encouraged to review the tutorials and suggested websites for more information about plagiarism.

### **Use of Artificial Writing Generators**

The use of any artificial writing generator (ex: Chat GPT) is strictly prohibited. The use of artificial writing generators can and will be deemed a violation of the university’s honor system. Any or all parts of a written assignment identified as having elements of writing attributed to an artificial writing source will automatically receive a zero (0) for a grade. ***Students will not be allowed to make up those assignments.*** This program uses software that detects AI generators. For more policy information regarding cheating and plagiarism, see the Honor System section in this syllabus.

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 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

### Tentative Course Schedule

| Date                 | Activity<br><i>All assignments are due by 11:59pm CST<br/>on the indicated due date</i> |
|----------------------|---|
| Monday, August 28    | Classes begin<br>All quizzes and assignments open                                       |
| Monday, September 18 | Module 1 Discussion & Quiz  |
| Monday, September 25 | Pathology Topic Request to Discussion Board   |
| Monday, October 9    | Module 2 Discussion & Quiz  |
| Monday, October 30   | Module 3 Discussion & Quiz  |
| Monday, November 13  | Pathology Report Due  |
| Monday, November 20  | Module 4 Discussion & Quiz  |
| Monday, December 4   | Module 5 Discussion & Quiz  |
| Monday, December 4   | Final Exam Opens at 6:00 AM   |
| Sunday, December 10  | Final Exam Closes at 11:59 PM   |