



**Midwestern State University**

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

The Shimadzu School of Radiologic Sciences

Revised December 2020

Course Number: RADS 3213

3 credits

Spring 2021

Course Title: Advanced Clinical Practice Skills

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**Course Overview:**

This course focuses on the current healthcare delivery environment including patient assessment, monitoring, and management. It includes working with multicultural patients, managing problem patients, infection control, and patient education. Additional topics include an overview of considerations when working in an increasingly digital imaging environment.

**Course Objectives:**

Upon completion of this course the students will:

- Evaluate vital signs and EKG strips
- Identify diagnostic laboratory values that are either within acceptable limits or not acceptable limits
- Properly chart actions and observations pertaining to a patient
- Demonstrate familiarity with pharmacology to include drugs, contrast media, and applicable regulations
- Apply learned communication skills and techniques
- Identify factors influencing communication
- Demonstrate familiarity with concepts and methods of infection control

## **Textbooks & Course Resources:**

### Required:

Perry, A. G., Potter, P.A., & Ostendorf, W. R. (2016). *Nursing interventions & clinical skills* (7<sup>th</sup> ed.). Elsevier. [ISBN 978-0-323-54701-7]

Jensen, S. C., & Peppers, M. P. (2006). *Pharmacology & drug administration for imaging technologists* (2<sup>nd</sup> ed.). Mosby. [ISBN 978-0-323-03075-5]

### Recommended:

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). American Psychological Association. [ISBN 13: 978-1-4338-3216-1]

Students in all programs must have a webcam and a microphone as well as reliable Internet access. This is for all quizzes and tests and any Zoom meetings that may take place. Please be aware that Respondus Lockdown Browser is used within D2L for all Quizzes and Exams and it is NOT compatible with Chromebooks.

## **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 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.**

Additionally, there are several discussion board areas: one section for social messages among the students, one section for the cultural communication topic approval, and one course help discussion board to seek help from peers or the instructor.

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 diligent 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.

**Methodology/Teaching Strategies:**

Independent reading assignments, D2L open book module quizzes, projects and assignments, and a closed-book comprehensive final examination.

**Evaluation Method:**

Percentage Distribution	Value
Module Quizzes	15%
Patient Assessment	15%
ECG/Lab Values	15%
Charting/Pharmacology	15%
Cultural Communication	15%
Comprehensive Final Exam	25%

**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 4:00 pm April 23, 2021.**

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.”

### **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.

Activities such as quizzes and assignments have expiration dates. Please take note that expiration dates for quizzes will 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. **No late assignments/activities will be accepted.** If a student cannot complete a course activity by the indicated due date, the student must contact the course instructor immediately, before the due date. Please note that late submissions will not be graded; students must contact the instructor for approval for late submissions before the due date. 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.

***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.

See the course calendar for the specific due date.

### **Assignments/Quizzes:**

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, exams, etc. 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*, before the due date. Please note that late submissions will not be graded; students must contact the instructor for approval for late submissions before the due date. If a student has emergency issues, then 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.

**HIPAA requirement:** Do not place ANY patient name on your assignments. Any proper name that appears on an assignment, other than yours will be considered a HIPAA violation, and the assignment will automatically drop one letter grade.

### Independent Module Readings

- Module 1: Chapters 7 & 8 – Nursing Interventions & Clinical Skills
- Module 2: Chapter 10 – Nursing Interventions & Clinical Skills
- Module 3: Chapter 3 – Nursing Interventions & Clinical Skills;  
Chapters 1, 2, 6, 7, & 11 – Pharmacology & Drug Administration for Imaging Technologists
- Module 4: Chapter 2 – Nursing Interventions & Clinical Skills
- Module 5: Chapter 5 – Nursing Interventions & Clinical Skills;  
Chapter 9 – Pharmacology & Drug Administration for Imaging Technologists

### D2L Module Quizzes (15%)

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 20 random questions and students will have 60

minutes to complete. 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. Quizzes must be completed by the due dates or a zero (0) will be recorded. Students who know they will miss a due date because of extenuating circumstances should contact the instructor before the deadline 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.

### **Patient Assessment (15%)**

On a volunteer or patient, using the information found in Chapters 7 and 8 of Nursing Interventions and Clinical Skills and any other sources needed, perform the portions of a patient assessment. The requirements and instructions are found in the module notes. You are to address every item listed in the required items, recording your observations and the clinical implications/significance of each. The assignment is to be typed as a single Word document with an APA 7 formatted title page. Submit the assignment to the appropriate dropbox as one attachment. The assignment is due by the deadline listed in the course calendar.

*Please note that "normal" is an impression (the examiner's diagnosis or assessment of a problem, disease, or condition) and NOT an implication (what may be causing what it is you are observing). Do NOT use "Normal" or "Within Normal Limits." Within acceptable limits is more appropriate. Normal is an impression, not an observation or an implication. Be sure to look at the example in your unit notes. Describe the implications/significance of what you observe for the "implications/significance" section. Be thorough and complete.*

### **ECG Learning Exercise (15%)**

Students will watch the ECG Learning Exercise video and then perform the ECG Learning Exercise found in Module 2. After completion of the ECG Learning Exercise, the score should automatically be sent to the grade book. Students will have two (2) attempts to achieve a high grade. Any attempt after two will not be considered or graded. The activity must be completed before the date in the course calendar or a score of "0" will be recorded.

### **Charting & Pharmacology Assignment (15%)**

This assignment consists of two parts: patient charting and medication information.

#### **Part 1 (Patient Charting):**

Use the ISBAR (Perry et al., 2016, p. 25), PIE, SOAP, or basic narrative format (see examples in learning module) to chart any four patient procedures YOU perform at your workplace (EX: CT chest w/contrast, ankle x-ray, IVU, US abdomen, radiation therapy brain, etc.).

Do not forget to add a date, time, signature, and credentials to each of the four patient procedures you chart. To "sign" your chart entry, change the font to cursive or script for the signature. Suggested fonts are Lucida Calligraphy or Freestyle Script.

#### **Part 2 (Medication Information):**

Find one medication listed in any patient chart, you may even use the package insert from a medication. Locate a Physician's Desk Reference (PDR), or any suitable reference and provide the following information in the clearly labeled sections seen below:

- Trade/Brand Name (If more than one type, injection liquid, tablet, specify which one you are using).
- Drug Manufacturer
- Generic Name
- Designated Chemical Name (chemically known as) or Empirical Formula
- Drug Classification (narcotic, analgesic, etc.)
- Indications (what is it used for)
- Contraindications (when should the drug absolutely should not be used)

- Adverse reactions (summarize if needed)
- Dosages
- Methods of drug administration

NOTE: If you are using a source other than the PDR for the medication portion of this assignment, please state the package insert or the URL of the website where you got your information.

The assignment is to be typed as a single Word document with an APA 7 formatted title page. Submit the assignment to the appropriate dropbox as one attachment. The assignment is due by the deadline listed in the course calendar.

### **Cultural Communication Assignment (15%)**

The goal of this assignment is to research a culture that is unfamiliar to you. You are to describe how you would communicate to someone of that culture when performing a diagnostic examination. If the culture you choose speaks predominately English, use the culture's secondary language as the language in which the patient communicates. Approach this assignment as if the patient, and you as the technologist, are speaking different languages and you have to communicate.

*Please note: Do not choose a culture that you may be part of or know a great deal about. This defeats the purpose of the assignment.*

All cultural topics must be approved before you begin to start your research. Students must get the topic of their cultural report approved by the instructor before beginning this assignment. Topics are to be submitted to the appropriate discussion board, and the instructor will respond with approval or disapproval. Check which cultures have been submitted before posting, as there is a cap of 5 students per culture. Please check the calendar and the course schedule for the due dates for posting of the topic and completed assignment.

With the information you find and information from your textbook, supplemental notes, and scholarly internet websites (not Wikipedia), address the following in **clearly labeled sections**:

- **Introduction of the Culture:** Give a brief introduction of your culture and demonstrate awareness of cultural taboos and norms, health beliefs and practices, and the nature of relationships within the family.
- **Communication Skills:** Describe verbal, non-verbal, and culturally competent communication skills that will aid you in developing trust between you and your patient. Discuss signs of demonstrating respect or disrespect? Include the use of speech, body language, touch, and space that could be used to communicate with your patient.

- **Patient History:** Describe how you would obtain a patient history. Include obstacles you may encounter if the patient was of the opposite sex. With the information you researched, especially the cultural taboos, what methods would you use if you did not have the luxury of using any form of a translator?
- **Diagnostic Procedure:** Select a diagnostic procedure of your choosing and explain the procedure to a patient of this culture using the information you have just researched. With the information you researched, especially the cultural taboos, what methods would you use if you did not have the luxury of using any form of a translator?

### Format

The paper:

- must have an APA 7<sup>th</sup> edition formatted title and reference page
- is to be a single Word document, typed, double-spaced, using Times New Roman, Arial, or Calibri 12 point font
- must be 2-4 pages in length, not including the title and reference page
- must include appropriately cited in-text citations throughout the paper according to APA 7 guidelines (see APA 7<sup>th</sup> ed chapter 8)
- must include a *minimum* of two APA formatted references submitted on a separate reference page
- must have clearly labeled sections (see above)

The assignment is to be submitted to the appropriate dropbox as one attachment. The paper will be graded on correct APA usage, content (make sure to complete the four instructions above), grammar, tone (informal or formal), and format (including cover page). The assignment is due by the deadline listed in the course calendar.

### Comprehensive Final Exam (25%)

The final exam is comprehensive and will be administered within D2L using the Respondus Lockdown Browser with Respondus Monitor. This requires the use of a webcam, and Chromebooks are not currently compatible with the Respondus Lockdown Browser, so you must have a regular PC or Mac available to take the exam. **THE FINAL IS TO BE TAKEN WITHOUT THE BENEFIT OF BOOKS, NOTES, OR REFERENCES OF ANY KIND.** Ninety (90) minutes will be given to answer 50 questions.

### 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 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 3213 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 3213 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 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 this course. The limited right shall include but shall not be limited to the right to reproduce the student's work product to verify originality and authenticity, and for educational purposes.*

**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 <i>All assignments are due by 11:59 pm CST on the indicated due date</i>
Monday, January 11	Classes begin All quizzes and assignments open
Monday, January 25	Cultural Communication Topic
Monday, February 8	Patient Assessment Assignment
Monday, March 1	ECG Learning Exercise
Monday, March 22	Charting Exercise (Parts 1 & 2)
Monday, April 12	Cultural Communication Paper
Monday, April 19	All Module Quizzes Close
Saturday, April 24	Final Exam Opens at 6 AM
Tuesday, April 27	Final Exam Closes at 11:59 PM