



## Midwestern State University

Robert D. & Carol Gunn College of Health Sciences &  
Human Services Department of Radiologic Sciences  
RADS 5043- Advanced Patient Assessment,  
Management, and Education

**Course Number:** RADS 5043 3 credits Spring 2019

**Course Title:** Advanced Patient Assessment, Management, and Education

### Professor

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**Vicki Sanders MSRS, RRA, RT(R)(CV)**

Email: [vicki.sanders@msutexas.edu](mailto:vicki.sanders@msutexas.edu)

Use this format in the subject line: 5043\_your last name\_topic of the message

\*email is the best way to reach me. If I haven't responded within 72 hours, please email me again.

Office: Bridwell Hall 201D

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### Course Overview

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This course helps the Radiologist Assistant develop more advanced patient care skills for more independent patient interactions. It includes skills such as obtaining histories, evaluating for post procedure complications, comprehensive patient physical assessment, planning, and management.

### Course Objectives

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Upon completion of this course, the student should be able to:

- Obtain patient history, facilitate communication
- Perform assessment of patient's
  - Vital signs, lab values, diagnostic tests
  - Lymphatics
  - Mental Status and Pain Assessment
  - Head and neck,
  - Chest and lungs, breast and axilla
  - Heart and blood vessels
  - Abdomen
  - Rectum
  - Musculoskeletal system
  - Neurologic system
  - Critical Thinking and Recording Information

### Teaching Strategies

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Independent reading assignments, Desire2Learn open book unit quizzes, development of History and Physical report, development of Emergency Situations in Radiology essay, and proctored Desire2Learn (D2L) *open* book final examination.

### Course Materials

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#### Textbooks

##### Required:

Ball, J., Dains, J., Flynn, J.A., Solomon, B.S., & Stewart, R.W. (2019). *Seidel's Guide to Physical Examination* (9<sup>th</sup> ed). Mosby: St Louis, MO. [ISBN 13: 978-0-323-48195-3]

#### Internet connectivity

Students need an up-to-date computer with an internet connection in this course.

#### Proctor Specifications/ Computer Requirements:

- PC Users: A well-working computer running Windows XP or higher with 1024 MB of RAM or higher.

- Mac Users: A well-working computer running Mac OS X or higher.
- Headphones or working speakers connected to the computer.
- A reliable high speed internet connection (minimum 768 Kbps/384 Kbps Download/Upload).
- A web browser with Adobe Flash Player installed.

Detailed instructions for ProctorU are in the RADS 5043 D2L course shell under the section labeled Final Exam.

## Course Requirements

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The student must:

- Complete reading assignments and watch instructional videos.
- Successfully complete the required online examinations, including a proctored final exam.
- Meet all submission deadlines.
- Complete all assignments
  - H&P assignment,
  - Emergency situation assignment

## Communication with Instructor

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Contact information for the instructor is listed at the beginning of this syllabus. Email is the preferred mode of communication. *Students must use their standardized MSU Student email for correspondence about this course.* When emailing the instructor, you must use the following subject header:

**5043\_your last name\_topic of message Example: 5043\_Smith\_Quiz 4**

When there is a need to contact a student, the instructor will use the student's students.mwsu.edu email account. The instructor is not responsible for sending emails to any other email account (set up your email to forward messages to an email you check often to avoid potentially missing any correspondence).

Faculty members will not be responsible for keeping up with other email addresses for students. If you have not established this account or you need help forwarding messages, do so as soon as possible by going to [MSU IT Help](#).

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.).

## Evaluation

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### Grade distribution

- 30% Unit Quizzes
- 20% H&P Assignment (Unit 6)
- 15% Emergency Situations Assignment (Unit 6)
- 35% Proctored D2L comprehensive open book final exam

### Grade 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.

- Click the down arrow in the News section on the 5043 course home page
- Select Notifications
- Check the box next to "News - new item available" and any other boxes you wish to receive an email notification for.
- 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 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.** Assignments must be submitted by 23:59 (11:59 pm) Central time, on scheduled due dates in the course schedule. If a student fails to meet a deadline the student will receive **no (0) credit** for the assignment not submitted on time.

**Emergency Extension.** If you have a major event such as a death in the family, illness, hospitalization, or other extenuating circumstances, email the instructor as soon as possible and on or before the scheduled due date. I will grant extensions on an individual basis.

### Technical Difficulties

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On occasion, you may experience problems accessing D2L or class files located within D2L, Internet service connection problems, and/or other computer related problems. Make the instructor 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. *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.*

#### For help:

- Use the D2L help link in D2L
- Contact your Instructor
- And for other computer access issues, contact information systems at [MSU IT Help](#)

### Attendance

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

### Special Needs

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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 (940)397-4140. 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.

### Administrative Process

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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:

- Interim Department Chair – Debra Wynne (940-397-4608)
- Interim College Dean - Dr. Jeff Killion (940-397-4594)
- Dean of Students – Matthew Park (940-397-7500)

### Honor System

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RADS 5043 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 5043 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.

Cheating includes, but is not limited to,

- Use of any unauthorized assistance in taking quizzes, tests, or examinations;
- Dependence upon the aid of sources beyond those authorized by the instructor 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 instructor for clarification. If students are guilty of 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.

Students are encouraged to review the tutorials and suggested websites for more information about plagiarism. If you have any questions about what constitutes plagiarism, please consult:

- The entire University Academic Dishonesty Policy which can be found in the [University Student Handbook](#) at
- The website [Plagiarism.Org](#), or
- The instructor.

References

<sup>1</sup> iParadigms. (2014). What is plagiarism? Retrieved from [www.whatisplagiarism.org](http://www.whatisplagiarism.org)

The instructor will be using an online plagiarism checker in this course.

**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.*

**Senate Bill 11**

Senate Bill 11 passed by the 84<sup>th</sup> Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the [University's webpage](#)

If you have questions or concerns, please contact MSU Chief of Police Patrick Coggins at [patrick.coggins@mwsu.edu](mailto:patrick.coggins@mwsu.edu).

**CLASS ACTIVITIES AND ASSIGNMENTS**

**Independent Reading Assignments**

Students should complete the reading assignments, answer the chapter objectives, review the internet resources, and review the questions at the chapter end before attempting the open book unit quizzes. The course content is divided into units by chapters. Additional resource material is available through the Internet. Each unit, **except for unit 6**, has a quiz . See the Course Schedule at the end of this syllabus for quiz deadlines.

Unit reading	
Unit	Chapters
<b>Unit 1:</b>	The History and Interviewing Process, Cultural Competency, Examination Techniques, Vital signs and Pain Assessment- Chapters <b>1-3, 6</b>
<b>Unit 2:</b>	Mental Status, Head and Neck, Neurologic System Chapters <b>7, 11, 22</b>
<b>Unit 3:</b>	Skin, Hair and Nails, Lymphatic system, Breast and Axilla- Chapters <b>9, 10, 17</b>
<b>Unit 4:</b>	Chest and Lungs, Heart, Blood Vessels- Chapters , <b>14-16</b>
<b>Unit 5:</b>	Abdomen; Anus, Rectum & Prostate; Musculoskeletal- Chapters <b>18, 21, 22</b>
<b>Unit 6</b>	Taking the Next Steps: Clinical Reasoning; Recording Information; Putting it all together; Emergency or Life Threatening Situations- Chapters <b>4, 5, 25, 26</b>

**Desire2Learn Open Book Unit Quizzes - 35%**

Students should complete the reading assignments, answer the chapter objectives, and watch instructional videos before attempting the

unit quizzes.

When a student has reviewed a unit and is ready for the quiz, he or she will log on to Desire2Learn and receive a customized timed unit quiz consisting of randomized multiple choice questions.

It is important to know the unit content before attempting the unit quizzes because the quizzes are *timed*. Quizzes contain random questions and students will have 60 minutes to complete. Quiz scores will be available immediately after a student submits his or her quiz for grading.

Students are encouraged take the quizzes at regular intervals throughout the semester to provide a better educational experience, but all unit quizzes are available starting the day classes begin to provide maximum flexibility with student schedules. **Quizzes must be completed by the due dates or a "0" will be recorded.** 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 the discretion of the instructor.

If students have technical difficulties during a quiz, they should use the "Report a problem" link in the "Help" area located at the right side of the Desire2Learn course, contact the MSU Information Systems Support Staff, *and* send an email right away to the course instructor explaining what happened.

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

- Unit Quiz Number (1 - 5)
- Question Stem
- Answer Scored as Correct by the Computer
- Answer the Student Thinks Should be Correct
- Rationale Supporting Why the Student's Answer is Correct
- Page numbers must be included when referencing the textbook in a rationale

After reviewing the case, if the course instructor thinks a revision is justified, the student's quiz score will be revised to reflect the additional points and the test bank will be updated.

## History & Physical - 20%

**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.

If there is patient identification required for an assignment you may use "Patient X" as identification. Assignments submitted with patient identification will result in a drop of one letter grade for that assignment.

- Perform a complete History and Physical (from chief complaint to assessment plan) on a **patient**.
- Record information like you would on a Patient H&P Report. (Do not do physical assessments of areas not studied in this course. Do not do a digital rectal exam. Do note in the H&P as "deferred". For example: Genital/Rectal: Deferred.)
- Do not include any patient identification to observe HIPAA policy.

Your assignment should follow the **Problem Orientated Medical Record Format** on p 63-68. See Ball page 63-68 for a sample record.

Include:

- History of present illness
- Past medical history
- Prior surgeries
- Medications
- Allergies
- Family history
  - Do not do a pedigree.
- Social history
- Review of symptoms
- Physical exam
- Assessment
- Plan (for each problem)

### Submitting the assignment:

The assignment is to be typed as a single WORD document only with a cover page. Please have the H&P reviewed and signed by a radiologist. Scan the H&P and submit to the H&P Dropbox. The assignment is due by the deadline listed in the syllabus.

## Emergency Situations Essay - 15%

Submit an essay (2-4 pages double spaced) listing 3-4 emergency situations which can be experienced in the **radiology department**. Since the RA is a mid-level healthcare provider and has advanced training in comparison to the technologist, describe the role and tasks an RA would specifically perform if presented with each emergency situation listed.

- Give a short scenario of a emergency situation which may happen during a procedure in radiology.
- How would a RA identify the emergency situation? Signs and symptoms of the patient. How would you assess the patient (subjective and

objective observations)? What pathological processes are happening to cause the symptoms?

- Discuss tasks performed by an RA or delegated to other healthcare providers. How would you stabilize the patient? What would you do first, second, third, etc.? If drugs are needed, which drugs and normal dosages for symptoms. (You might need to refer to other resources for the information)
- How would the RA identify whether a situation is improving or more advanced care is needed? Signs of improvement or deterioration of the patient's condition.
- Include a cover page and references.

Submit the assignment to the RA Emergency Situation Essay Dropbox.

### **Comprehensive Open Book Final Exam - 30%**

The final examination is a, "open book", comprehensive examination of multiple-choice format. The final is to be scheduled with ProctorU and will require an additional fee. All students are REQUIRED to have a webcam & microphone for the Final Exam.

*SEE THE PROCTORU INSTRUCTIONS FOR COMPLETE DETAILS.* The appointment with ProctorU should be scheduled by the date listed in the syllabus. Scheduling an appointment requires payment at that time.

To make an appointment, simply create an account at [ProctorU](#)

Once logged in, click on the "new exam" link and selecting the exam, date, and time desired.

*The student must submit payment (based on the length of the exam) at this time - usually about \$25.00.* The student will receive an email confirming their reservation at the email address they provided to ProctorU.

Students must complete the final (and all course work) by the dates published in the course schedule. There will be NO alteration of any type to this schedule. Extenuating circumstances may be discussed and an alternative arrangement may be made at the discretion of the instructor.

*Note: Any decision by the instructor is final and there will be no further changes made.*

The unit objectives, study guides, and examinations can be utilized to review for the final.

#### **Technical problems**

- If you are disconnected during your exam, you must immediately send an email to your professor, and immediately contact ProctorU by phone. All exams are monitored and a log is created by the proctor and by D2L.
- \*All times will be documented\*
- The exam must be taken within the scheduled test dates, regardless of any technical issues that may arise. This is the student's responsibility.
- Late submissions will not be accepted.
- A suggestion is to take the exam during the first days it is available (listed below) to avoid receiving a zero due to technical issues. If you have to reschedule, it must be within the scheduled dates and times.

**All course requirements must be completed before a grade is awarded.** Students must complete the final and all course work by the dates published in the course schedule.

**See the Course Schedule below.**

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## **RADS 5043 Spring 2019 Course Schedule**

<b>Date</b>	<b>Activity</b> <i>* Note: These are Central Times*</i>
January 12	Classes Begin
Friday, February 1	<a href="#">Unit Quiz 1</a> due by 23:59
Monday, February 22	<a href="#">Unit 2 Quiz</a> due by 23:59
Friday, March 15	<a href="#">Unit 3 Quiz</a> – due by 23:59
March 16-24	Spring Break
Monday, March 25	Last day to withdraw with a "W" in the class
Friday, April 5	<a href="#">Unit 4 Quiz</a> - due by 23:59

April 18- April 21	<b>Easter Break</b>
Monday, April 22	Schedule appointment for Final Exam with <a href="#">ProctorU</a> (payment required)
Friday, April 26	<a href="#">Unit 5 Quiz</a> – due by 23:59
Friday, April 26	<a href="#">H&amp;P and Emergency Situations Assignment Due</a> by 23:59.
April 29 through May 8	<p><a href="#">Final Exam</a></p> <p>The Open-Book Final Exam will only be available as soon as all quizzes are completed.</p> <p>The exam must be complete and submitted for grading by 17:00 (5:00 pm) CST on May 8</p>