COURSE NUMBER: RADS 5274

COURSE TITLE: CLINICAL PRECEPTORSHIP II

INSTRUCTORS: Vicki Sanders MSRS, RRA, RT(R)(CV)
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Rick Redd, MD
Bridwell Hall, Room 228

Textbook: No text book required for course

Course Overview:
This clinical course will focus on imaging procedures involving selected modalities. In addition to scheduled in-class activities, the student will observe and participate in radiographic procedures and imaging under the direct supervision of his/her preceptor radiologist at least twenty-four (24) clinical hours per week.

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

- Apply knowledge and skills to function at an advanced clinical level
- Demonstrate communication skills to promote improvement of health care, develop professional practice and maintain interdependent working relationships with other health care professionals
- Use critical thinking strategies for the resolution of concerns and issues in radiologic sciences
- Demonstrate professional ethical behavior
• Apply patient assessment evaluation
• Demonstrate patient safety techniques
• Formulate image analysis for invasive procedures including patient preparation, fluoroscopy, and other procedures encountered during the semester
• Demonstrate competence on RA procedures

**Teaching Strategies:**
Clinical, lecture, group discussion, written assignments, image review, and student presentations.

**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 108. 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 Director of the Counseling Center serves as the ADA Coordinator and may be contacted at (940)397-4618, TDD (940)397-4515, or 3410 Taft Blvd., Clark Student Center Room 108.

**Attendance:**
Without exception, students MUST attend and participate in seminar session to receive credit for this course.

**Evaluation:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Professional Evaluation (2 evaluations 20% each)</td>
<td>40%</td>
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<tr>
<td>Semester Documentation/Portfolio</td>
<td>20%</td>
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<tr>
<td>Online Image Evaluation</td>
<td>20%</td>
</tr>
<tr>
<td>Case Studies (2 case studies 15% each)</td>
<td>20%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>100%</strong></td>
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Grade Scale:

- A 100 - 90
- B 89 - 80
- C 79 - 70
- D 69 - 60
- F 69 and below

Honor System:

This course 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 Student Handbook for answers to any questions about the code.

Many components of this course are designed to be highly interactive with students helping each other learn. Students are encouraged to take full advantage of many resources available including Internet sites, handouts and module notebooks, other textbooks and journals, faculty, and peers. This interactive collegial learning environment is conducive for life-long learning.

When students submit their efforts for grading, they are attesting that they have abided by this rule.

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.

CLASS ACTIVITIES AND ASSIGNMENTS

Assignments will be submitted electronically as an email attachment using the following guidelines:

- IBM compatible format
- Word 97 or newer version
- Times New Roman or other typical legible font (10 or 12 point for bulk of text)
- 1” margins on all sides
- Student Name, Course number and title, and page number in the header

If a student cannot meet these requirements for electronic submission, he or she should meet individually with the faculty member to make other suitable arrangements.
Professional Evaluation 40% (2 per semester, 20% each)

Due: One at midterm and one at the end of the semester

The Radiologist Preceptor will evaluate the MSU RA student twice a semester (midterm and end of semester) on their overall performance. Evaluation will be sent back to the clinical course instructor directly from the Radiologist. The clinical course instructor will review the grade with the student.

Semester Documentation – 20%

Due: Beginning, midterm and end of semester

Students will develop and submit semester documentation for the clinical course. Each student is expected to submit a documentation that reflects the outcomes of the clinical experience. Documentation should demonstrate completion of established objectives along with evidence of other activities in which the students were involved.

Beginning of semester – email to instructor by due date

- **Goals for Semester (Double space, 12 pt. font, as a word attachment)**
  - List 3 to 5 goals
  - Example – 5 patient management comps, exceed minimum clinical hours by ___, and 3 image observation

Midterm – email to instructor by due date

- **Clinical experience evaluation (Double space, 12 pt. font, as a word attachment)**
  - You will write 1 – 2 pages evaluating your clinical experience to this point. What has been going on, what is going well, what needs improvement, and what can you do to improve the clinical experience.

End of semester – Mail Clinical Semester Portfolio by due date

- Clinical semester portfolio

  **RA Clinical Semester Portfolio**
  *(Materials placed in Semester Portfolio can be copies)*

Sections/TABS of Semester Portfolio

**Student Information**
Name, semester, date, clinical site, and preceptor
Goals
Pg 1 – Semester goals
Pg 2 – List goals met
Pg 3 – List goals not met

Reflective Evaluation Journal
Pg 1- Midterm Evaluation (1-2 pages double space)
Pg 2- End of Semester Evaluation (1-2 pages double space)

  o You will write 1 – 2 pages evaluating your clinical experience to this point. What has been going on, what is going well, what needs improvement, and what can you do to improve the clinical experience.

Patient Log Sheet
  ● Log Sheet Form (A)

Procedures Competencies
Pg 1- Clinical Procedure semester summary (C)
Pg 3- MSU Competency Form (B)

Clinical Cumulative Summary
Clinical procedure cumulative summary (D)

Clinical Hours
Total clinical hours for the semester
(Clinical hours can be updated by emailed before the end of current semester)

Other
Radiation report
Miscellaneous

(Semester documentation completed after portfolio is turn in can be brought to next on campus classes – or added to the next semesters portfolio material.)

NOTE: PORTFOLIO MATERIALS BECOME PROPERTY OF MSU FOR OUR RECORDS AND WILL NOT BE RETURNED

You will want to place original or copies of material placed semester portfolio in your MSU/ARRT portfolio under the appropriate section for your records.

ALSO – After each semester you will want to update your ARRT CR-1 form (located in your MSU/ARRT clinical portfolio) of any completed comps for the semester.
Online Image Review - 20%
Throughout the semester the student will demonstrate competency on image review by writing a sample dictation of radiologic examinations. The students will have to complete six (6) image reviews for the semester. The student will go to the Assessments area of the Course. The student will choose an Image Observation Category. The Assessment will randomly assign a Case Number to the student. The student will then go to Image Observation PowerPoint Presentation found on the Course Homepage. The student will select the corresponding Case number and develop a dictation for the images. The Image Review should be developed in Microsoft WORD with a cover sheet and emailed to the instructor. The students will be scored by using the format provided. The exercise is self paced but all image observation competencies must be turned in by the date on the Course Schedule. Feedback for the image review will be given at the end of the semester after all reviews have been received and scored.

Online Image Review Format

Define- Define the study (EX 2 view Chest series or PA and Lateral upright chest series)
Describe- Describe the findings on the image (EX Lungs are well inflated and clear, treachea is midline, etc.) using a consistent search pattern.
Differential Diagnosis- List Differential Diagnoses that is plausible for the pathology (if any) covering the 6 major pathological categories (ICDMPV) if applicable.
Diagnosis- List what diagnosis is most likely based on clinical evidence and findings
Discuss- Discuss follow up, other examinations, lab tests, or any other pertinent information.

Case studies – 20% (1 x semester)
Students will formulate a case study during the semester and email the case study to the instructor. The students will comment on the cases in the Discussion Board. Each student will post (at a minimum) one comment to each classmate case study posting.

Course Schedule:

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<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>RA First Weekend</td>
<td>Sept 10-13</td>
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<tr>
<td>Semester Goals</td>
<td>Sept 15</td>
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<tr>
<td>Professional Evaluation</td>
<td>Oct 20</td>
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<tr>
<td>Mid- Semester Clinical experience evaluation</td>
<td>Oct 20</td>
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<tr>
<td>Case Studies Presentations topics due</td>
<td>Nov 17</td>
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<tr>
<td>Professional Evaluation</td>
<td>Dec 1</td>
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<tr>
<td>Image Evaluations due</td>
<td>Dec 1</td>
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<tr>
<td>Second RA weekend (Case study presentations)</td>
<td>Dec 3-6</td>
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NOTE: A PENALTY OF -10 POINTS WILL BE DEDUCTED ON ALL LATE MATERIAL. ALSO, SEMESTER DOCUMENTATION WILL ONLY BE ACCEPTED IN THE SEMESTER PORTFOLIO.
Clinical Hours
This semester you are responsible for a minimum of 336 clinical hours, which 56 hrs are spent reviewing images with the Radiologist Preceptor. The semester is 15 weeks in length. Clinical hours for this semester are based on 14 weeks x 24 contact hours per week with a Radiologist. Of the 24hrs per week the student is expected to spend 4hrs of direct image review with the Radiologist Preceptor.

Clinical Completion Plan
Semester II – 25% of total Procedure competencies (3-4)
25% of total procedure numbers (125)