



MIDWESTERN STATE UNIVERSITY

*Gunn College of Health Sciences and Human Services
The Shimadzu School of Radiologic Sciences
Bachelor of Science, Radiologic Sciences Program
Course Syllabus - Melanie Billmeier*

RADS 4215 Clinical Education II

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Course Description

This course provides a continuation of clinical experience in an affiliated hospital or clinic setting where students apply theories, concepts, and skills in patient care, positioning, image acquisition and processing, and radiation protection.

Student Learning Outcomes

By the conclusion of the course, the successful student should be expected to:

- Assist registered technologists with emergency radiological examinations.
- Assist and perform examinations in the active examining areas.
- Satisfactorily complete Competency Evaluations from the List of Examinations.
- Evaluate each requisition.
- Demonstrate proper physical facilities readiness.
- Demonstrate proper patient care.
- Operate equipment effectively.
- Demonstrate correct positioning skills.
- Apply the principles of radiation protection.
- Evaluate the radiographic image for: correct anatomy, proper alignment, radiographic technique, and film identification, appropriate radiation

protection.

- Complete all aspects of clinical competency evaluation.
- Perform according to prescribed standards.
- Observe and assist the qualified radiographer while in the assigned rotation.
- Perform various aspects of the selected procedure under direct and indirect supervision while in the assigned rotation.
- Demonstrate affective behaviors, as appropriate, for level of professional development.
- Complete registry review assignments.

Course Prerequisite(s): RADS 4115

Course Materials: Clinical Handbook

Personalized anatomic markers

Course Evaluation Methods

# of Graded Course Elements	Graded Course Elements	Percentage or Points Values
1	Professional Development Evaluation & Image Critique	50%
3	Clinical Projects	10%
1	Clinical Competencies	25%
4	Clinical Journal	10%
1	Logs & Repeat Analysis	5%

Course Requirements

Professional Development Evaluation:

This is to be filled out twice a semester. At mid-semester, students are to complete a self-evaluation using the same or similar form that will be assessed by your Clinical Instructor at the end of the semester. The self-evaluation does not need to be signed by your CI and will not affect your grade. The final professional development evaluation will be completed by your Clinical Instructor and submitted at the end of the semester for a grade.

Clinical Projects:

Abdomen Chart: Each student is responsible for creating an abdominal technique chart for his/her facility. Content should be gathered by the student while performing abdominal exams at clinical during the course of the semester. The charts should include columns like - measurement (cm), kVp, Ma, s, and other. (The column other would include special conditions, i.e. barium study, Index #'s, AEC, etc.) The more you add to the chart, the better the grade. This is an individual project. This chart should be typed and formatted to be easy to read and follow. It will be evaluated on professionalism. Spelling and grammar errors will be evaluated.

National Rad Tech Week: Must involve hospital with some type of activity to celebrate Rad Week Nov. 7-13. This can include games, cookies and punch, a newspaper article or newsletter posting telling about radiology, etc... Make interesting and fun for department. Your departments and other students at site can be involved (only MSU students). This can be a group or solo project (keep within your clinical site). These are meant to inform outside groups about NRTW and why it should be celebrated. (Cannot just make food for department, needs to include more interaction.) The larger the group, the more involvement. Following that week, you will submit documentation to the instructor with pictures documenting your project and participation.

Clinical Site Promotion: This can be individual or group projects, based on clinical site. Each group will prepare a brochure, power point, video etc. promoting the assigned clinical site. This should focus on the medical imaging department. Your best attempt should be made to make this high quality and informational. It will be graded on how well it promotes the site, how it could be used, creativity, high quality, professional, informational, and modalities included. Information presented should be your own work (not copied from the facility website). These will be presented to the program underclassmen for site selection.

Clinical Competencies: A minimum of **30 competencies** must be met to progress to the next clinical semester. Less than the minimum will result in course failure. Additional exams will be applied to the next clinical semester. Your clinical competency grade will be based on the following scale:

- 30 = 75.
- 31-33 = 80.
- 34-36 = 85.
- 37-39 = 90.
- 40-41 = 95.
- 42 + = 100.

Clinical Journals: The discussion board can be accessed through the course navigation bar on the home page in D2L. Each discussion posting or section will have the prompt or topic of the assignment with the due dates. Each student will be required to post on D2L four (4) separate journal entries during the course of the semester. Each student will also be required to comment on two (2) other student entries for each journal assignment (Totaling eight (8) *reply* entries for the semester). Note: All journals entries and responses close at 11:59 pm. Rubric available on D2L.

Journal Entry	Original Post Due	Response Posts Due
1	September 5	September 12
2	September 26	October 3
3	October 24	October 31
4	November 14	November 21

Repeat Log/Repeat analysis: Repeat logs will be presented at each competency check. Grade will be determined by initials for all repeats and signatures on all documents. Repeat Analysis will be due at the conclusion of the semester. Points may be deducted for an unusually large numbers of repeat percentage and missing signatures.

Attendance

Holidays: Students will be allowed off any University holidays. If a holiday is on a weekday, that day will be considered the “day off” for the week. They will NOT get an additional day off that week.

RADS 4912 Seminar Dates: September 16 & 17, October 14 & 15, and November 18 & 19. Students will receive 16 hours of clinical credit for weeks of seminar attendance and have no additional days off those weeks.

Clinical Hours: Students are required to attend 32 hours of clinical each week of the semester. Schedules are assigned by the affiliated facility Clinical Instructors (CI). A maximum of ten (10) hours per day during weekday hours during the day shift (5:00 am – 7:00 pm) will be assigned. It is at the sole discretion of the CI to adjust student schedules upon request. Any adjustment must be submitted in writing to the appropriate MSU clinical faculty.

Students are allowed a maximum of two (2) clinical absences per semester. **The student must contact the clinical instructor at the hospital and the clinical faculty at least one hour before the student is due to start the assigned shift if possible.** If illness or injury necessitates absences in excess of two, the student must submit a physician’s note and receipt of service from the care provider to be excused. Excused absences may be made up within two weeks of the physician’s

release to work. Excessive absences (more than 2) will result in a reduction of the final clinical grade.

Time missed as the result of tardiness should be made up at the end of the assigned shift the **same day**. Three tardies within one semester will result in a reduction of the final clinical grade in addition to the deduction on the Professional Development Evaluation.

Semester Course Calendar

August 23	First day of clinical
September 6	Labor Day Holiday—No additional days off this week
Sep 16 & 17	Student Seminar—Regular day off may shift
Oct 14 & 15	Student Seminar—Regular day off may shift
Nov 18 & 19	Student Seminar—Regular day off may shift
Nov 24- 28	Thanksgiving Holiday
December 3	Last day of clinical

Instructor Course Policies

Dress Code for clinical is stated the Clinical Handbook.

Conduct/Honesty/Honor System: In particular, academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that their work will be completed in full observance of the MSU code of Student Conduct and Clinical Policies and Procedures as stated in Clinical Handbook.

Cell Phone Policy: No cell phones are permitted at the clinical site during assigned clinical time. Students must leave it in a locker, purse, backpack, or other assigned secure area. It should be checked on breaks only.

Institutional Information

Special needs

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Support Services in Room 168 of the Clark Student Center, (940) 397-4140.

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 (940-397-4679)
3. Dean of Students – Matthew Park (940-397-7500)

Senate Bill 11

Senate Bill 11 Senate Bill 11 passed by the 84th 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 campus carry webpage](#). If you have questions or concerns, please contact MSU Chief of Police [Patrick Coggins](#) by email at mpatrick.coggins@msutexas.edu.