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### AHXR 295.01: Radiographic Clinical Procedures IV

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**MISSOULA UNIVERSITY of MONTANA  
DEPARTMENT OF RADIOLOGY TECHNOLOGY  
COURSE SYLLABUS**

**COURSE NUMBER AND TITLE: AHXR 295 Clinical Procedures III**

**DATE REVISED: Spring 2016**

**SEMESTER CREDITS: 8**

**PREREQUISITES:** BIOH 201N, BIOH 211, AHXR 100, AHXR 121, AHXR 140, AHXR 195-I and AHXR 195 -II

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**Phone:** 243-7907 office

**Office: AD04-A**

**Office Hours:** By Appointment

**RELATIONSHIP TO PROGRAM:** This course allows students to engage in the hands on phase of this program. Opportunity to employ competency-based skills in patient management, radiographic techniques, positioning, fluoroscopic and surgical protocols is provided.

**COURSE DESCRIPTION:** Additional experiences in patient management and more complex patient procedures are provided. Emphasis is on trauma situations and fluoroscopic studies, and adapting these procedures to meet variations in patient needs and to demonstrate mastery of learning.

**COURSE SCHEDULE:** Clinical hours vary each semester and with each site, and are specific to the type of clinical rotation.

**STUDENT WORK ETHICS PERFORMACE STANDARDS**

Character:

Display a high level of effort and commitment to performing and completing work.

Be honest in all situations.

Demonstrate trustworthiness and responsible behavior.

Teamwork:

Encourage and facilitate cooperation, pride, trust, and group identity.

Foster commitment and team spirit.

Facilitate cooperation.

Appearance:

Present a neat, clean professional appearance.

Practice personal hygiene.

Wear approved uniforms and comply with clinical site policies.

Be prepared with ID markers and badges on a daily basis.

**Attitude:**

Display a willingness to cooperate and accept constructive criticism.

Set realistic expectations.

**Productivity:**

Observe established policies on safety.

Notify proper authorities of circumstances or situations presenting potential safety hazards.

Maintain equipment and supplies.

Do not use, or knowingly permit others to use tools/equipment improperly.

Make up missed assignments in a timely manner.

Stay on task and utilize time constructively.

**Organization Skills:**

Prioritize and manage time effectively.

Demonstrate flexibility in adapting to changes.

**Communication:**

Communicate accurate information to others in a professional and courteous manner.

Demonstrate appropriate nonverbal communication skills.

Listen attentively to others.

**Cooperation:**

Convey a willingness to assist others.

Work to resolve conflicts, and to identify solutions in which all parties benefit.

Demonstrate concern for treating people fairly and equitably.

Follow the chain of command in resolving conflicts.

**Respect:**

Treat instructors, staff, and fellow students with respect, courtesy, and tact.

Do not engage in harassment of any kind.

**STUDENT PERFORMANCE OUTCOMES:**

1. Exercise the priorities required in daily clinical practice.
2. Execute medical imaging procedures under the appropriate level of supervision.
3. Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.
4. Adapt to changes and varying clinical situations.
5. Describe the role of health care team members in responding/reacting to a local or national emergency.
6. Provide patient-centered, clinically effective care for all patients regardless of age, gender, disability, special needs, ethnicity or culture.
7. Integrate the use of appropriate and effective written, oral and nonverbal communication with patients, the public and members of the health care team in

- the clinical setting.
8. Integrate appropriate personal and professional values into clinical practice.
  9. Recognize the influence of professional values on patient care.
  10. Explain how a person's cultural beliefs toward illness and health affect his or her health status.
  11. Use patient and family education strategies appropriate to the comprehension level of the patient/family.
  12. Provide desired psychosocial support to the patient and family.
  13. Demonstrate competent assessment skills through effective management of the patient's physical and mental status.
  14. Respond appropriately to medical emergencies.
  15. Examine demographic factors that influence patient compliance with medical care.
  16. Adapt procedures to meet age-specific, disease-specific and cultural needs of patients.
  17. Assess the patient and record clinical history.
  18. Demonstrate basic life support procedures.
  19. Use appropriate charting methods.
  20. Recognize life-threatening electrocardiogram (ECG) tracing.
  21. Apply standard and transmission-based precautions.
  22. Apply the appropriate medical asepsis and sterile technique.
  23. Demonstrate competency in the principles of radiation protection standards.
  24. Apply the principles of total quality management.
  25. Report equipment malfunctions.
  26. Examine procedure orders for accuracy and make corrective actions when applicable.
  27. Demonstrate safe, ethical and legal practices.
  28. Integrate the radiographer's practice standards into clinical practice setting.
  29. Maintain patient confidentiality standards and meet HIPAA requirements.
  30. Demonstrate the principles of transferring, positioning and immobilizing patients.
  31. Comply with departmental and institutional response to emergencies, disasters and accidents.
  32. Differentiate between emergency and non-emergency procedures.
  33. Adhere to national, institutional and departmental standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
  34. Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
  35. Critique images for appropriate anatomy, image quality and patient identification.
  36. Determine corrective measures to improve inadequate images.

## **STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES:**

Grades will be determined by clinical education evaluations, radiographic positioning tests at the clinical sites, the completion of competency requirements in mandatory and elective categories and attendance.

All surgical competencies are expected to be completed during this rotation. Additionally, 30 of the 36 required Mandatory Competencies and 8 of the 15 required Elective Competencies should be completed.

At least two written evaluations will be made available to the student during a semester. These evaluations will assess both cognitive and affective progress in the clinical setting.

During the semester, at least four (4) practical positioning tests will be required of each student. These tests will take place at the assigned facility and will be administered by the Clinical Coordinator. Criteria will include: knowledge of anatomy, image analysis, and a demonstration of the ability to select appropriate techniques, patient care skills, proper radiation protection, and the ability to make corrections when necessary.

The final grade will be based on: Competencies- 40%, Positioning Tests/Evaluations- 40%, and Attendance-20%.

**Grading Scale:**

100 -90 = A

89 – 80 = B

79 – 70 = C

69 – 60 = D

**Note: Students must pass this course with a “B” (80%) in order to still be considered a part of the Radiology Technology Program.**

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or disciplinary sanction by the University.

All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VP/SA/index.cfm/page/1321>.

**STUDENTS WITH DISABILITIES:** Eligible students with disabilities will receive appropriate accommodations in this course when requested in a timely way. Please speak with me after class or in my office. Please be prepared to provide a letter from your DSS Coordinator.

**ATTENDANCE POLICY:** The attendance for clinicals is mandatory. The clinical coordinator and the Clinical Site Instructor must be called at least 30 minutes prior to the start of the shift when you know you are going to be absent. Each student is allowed three (3) Personal Days for the semester. These days can be used for any

reason the student deems necessary (illness, family event, appointments) and they will be considered excused. Arrangements will have to be made to make up any days missed from clinicals beyond the allotted 3, within the semester, and at the convenience of the Site Instructor. Students are responsible for making arrangements with the Site Instructors at the facility where the time must be made up, and any failure to do so may result in a reduction of the clinical grade.

All absences must be recorded on a “Change of Schedule” form, to be signed by the student, Clinical Coordinator, and Site Instructor.

Punctuality is very important therefore; reporting late (5 minutes or more) for your shift for the third time in the semester will be counted as an unexcused absence and will be reflected in the final grade. If you are going to be tardy to your assigned facility, please phone your Site Instructor as soon as possible to notify them of your situation.

**Time Sheets will be maintained by the student and turned in to the Clinical Coordinator at the end of each rotation in order to receive a passing grade.**

*\*Syllabi are subject to change*