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AHXR 195.01: Radiographic Clinical I

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**THE UNIVERSITY OF MONTANA
COLLEGE OF TECHNOLOGY
DEPARTMENT OF RADIOLOGY TECHNOLOGY**

COURSE SYLLABUS

COURSE NUMBER AND TITLE: AHXR 195 Radiographic Clinical: I

DATE REVISED: Spring 2015

SEMESTER CREDITS: 4

PREREQUISITES: SCN 201N, AHXR 140

Faculty: Dan Funsch

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Office: Griz House 4

Office Hours: By Appointment

RELATIONSHIP TO PROGRAM: This course allows students to engage in the hands on phase of this program. They will put into practice skills in patient management, radiographic techniques, and positioning.

COURSE DESCRIPTION: Proper patient management and procedures practiced in a clinical setting. Emphasis on beginning radiographic positioning objectives mastered previously in AHXR 140.

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

STUDENT WORK ETHICS PERFORMANCE 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.

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. Apply knowledge of the principles of radiation biology and protection for the patient, radiographers, and others.
2. Apply knowledge of human anatomy, physiology, radiographic procedures, radiographic technique, instrumentation, equipment, and pathology to accurately demonstrate anatomical structures on a radiograph.
3. Demonstrate at all times; ethical conduct and values, positive professional behavior, positive communication, and empathy towards their patient's needs.
4. Exercise good judgment, common sense, and critical thinking skills in the pursuit of quality radiographs and solving problems.
5. Exercise confidentiality of patient records and information.
6. Provide patient care essential to radiologic procedures.

7. Exercise the priorities required in daily clinical practice.
8. Execute medical imaging procedures under the appropriate level of supervision.
9. Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.
10. Adapt to changes and varying clinical situations.
11. Describe the role of health care team members in responding/reacting to a local or national emergency.
12. Integrate the use of appropriate and affective written, oral and nonverbal communication with patients, the public and members of the health care team in the clinical setting.
13. Integrate appropriate personal and professional values into clinical practice.
14. Explain how a person's cultural beliefs toward illness and health affect his or her health status.
15. Use patient and family education strategies appropriate to the comprehension level of the patient/family.
16. Provide desired psychosocial support to the patient and family.
17. Demonstrate competent assessment skills through effective management of the patient's physical mental status.
18. Examine demographic factors that influence patient compliance with medical care.
19. Adapt procedures to meet age-specific, disease-specific, and cultural needs of patients.
20. Assess the patient and record clinical history.
21. Demonstrate basic life support procedures.
22. Use appropriate charting methods.
23. Recognize life threatening ECG tracing.
24. Apply standard and transmission-based precautions.
25. Apply the appropriate medical asepsis and sterile techniques.
26. Apply the principles of total quality management.
27. Report equipment malfunctions.
28. Examine procedure orders for accuracy and make corrective actions when applicable.
29. Integrate the radiographer's practice standards into clinical practice setting.
30. Demonstrate the principles of transferring, positioning and immobilizing patients.
31. Comply with departmental and institutional response to emergencies, disasters and accidents.
32. Adhere to national, institutional and departmental standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
33. Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.

34. Recognize emergency patient conditions and initiate life saving first aid.
35. Participate in an introduction to advanced or specialized imaging procedures when presented with advanced educational opportunities.
36. Recognize the need to obtain further education in the pursuit of life-long learning.

GRADING AND EVALUATION PROCEDURES:

Students are expected to make steady progress in becoming proficient at the various imaging procedures performed at their clinical sites. Progress is measured by a checklist system, where site supervisors observe student performance and issue “sign-offs” to indicate various levels of proficiency. In addition, written evaluations are conducted twice during the semester by site coordinators, and will be used to evaluate student progress. These evaluations will assess both cognitive and affective progress in the clinical setting.

The final grade will be based on:

- the number of Competencies completed (40%)
- site evaluations (40%), and
- attendance (20%)

Note: Students must pass this course with a “B” (80%) in order to continue with the Radiology Technology Program the next semester.

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.unt.edu/SA/VPSA/index.cfm/page/1321>.

ATTENDANCE POLICY: The attendance for clinicals is mandatory. The clinical Coordinator and the Clinical Site Instructor must be called at least one half-hour prior to the start of the shift when you know you are going to be absent.

Punctuality is very important, and after arriving late 3 times (5 minutes or more) past the time your shift is scheduled to begin, will be counted as an unexcused absence, and will be reflected in your evaluations and 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 will be signed and totaled at the end of the semester and submitted to the Clinical Coordinator, in order to receive a passing grade.

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.

