RADT-190C: CLINICAL SEMINAR

Cuyahoga Community College

Viewing: RADT-190C : Clinical Seminar

Academic Term:
Summer 2020

Subject Code
RADT - Radiography

Course Number:
190C

Title:
Clinical Seminar

Catalog Description:
Competency-based training and evaluation on radiographic equipment and procedures. Emphasis on positioning and patient care skills including pediatric and geriatric populations. Includes a variety of imaging: appendicular skeleton, gastrointestinal procedures, mobile radiography, trauma and non-trauma exams.

Credit Hour(s):
2

Other Hour(s):
2

Other Hour Details:
Clinical Seminar: 2 hours per week.

Requisites

Prerequisite and Corequisite
Departmental approval: admission to program.

I. ACADEMIC CREDIT

Academic Credit
According to the Ohio Department of Higher Education, one (1) semester hour of college credit will be awarded for each lecture hour. Students will be expected to work on out-of-class assignments on a regular basis which, over the length of the course, would normally average two hours of out-of-class study for each hour of formal class activity. For laboratory hours, one (1) credit shall be awarded for a minimum of three laboratory hours in a standard week for which little or no out-of-class study is required since three hours will be in the lab (i.e. Laboratory 03 hours). Whereas, one (1) credit shall be awarded for a minimum of two laboratory hours in a standard week, if supplemented by out-of-class assignments which would normally average one hour of out-of-class study preparing for or following up the laboratory experience (i.e. Laboratory 02 hours). Credit is also awarded for other hours such as directed practice, practicum, cooperative work experience, and field experience. The number of hours required to receive credit is listed under Other Hours on the syllabus. The number of credit hours for lecture, lab and other hours are listed at the beginning of the syllabus. Make sure you can prioritize your time accordingly. Proper planning, prioritization and dedication will enhance your success in this course.

The standard expectation for an online course is that you will spend 3 hours per week for each credit hour.

II. ACCESSIBILITY STATEMENT

If you need any special course adaptations or accommodations because of a documented disability, please notify your instructor within a reasonable length of time, preferably the first week of the term with formal notice of that need (i.e. an official letter from the Student Accessibility Services (SAS) office). Accommodations will not be made retroactively.

For specific information pertaining to ADA accommodation, please contact your campus SAS office or visit online at https://www.tri-c.edu/student-accessibility-services. Blackboard accessibility information is available at http://access.blackboard.com.

Eastern (216) 987-2052 - Voice. (216) 987-2423 - Fax
Metropolitan (216) 987-4344 – Voice.
(216) 987-3257 - Fax.
III. ATTENDANCE TRACKING

Regular class attendance is expected. Tri-C is required by law to verify the enrollment of students who participate in federal Title IV student aid programs and/or who receive educational benefits through other funding sources. Eligibility for federal student financial aid is based in part on enrollment status.

Students who do not attend classes for the entire term are required to withdraw from the course(s). Additionally, students who withdraw from a course or stop attending class without officially withdrawing may be required to return all or a portion of their financial aid based on the date of last attendance. Students who do not attend the full session are responsible for withdrawing from the course(s).

Tri-C is responsible for identifying students who have not attended a course before financial aid funds can be applied to students’ accounts.

Therefore, attendance is recorded in the following ways:

• For in-person and blended-learning courses, students are required to attend the course by the 15th day of the semester (or equivalent for terms shorter than five weeks) to be considered attending. Students who have not met all attendance requirements for in-person and blended courses, as described herein, within the first two weeks or equivalent, will be considered not attending.

• For online courses, students are required to login at least two times per week and submit one assignment per week for the first two weeks of the semester, or equivalent to the 15th day of the term. Students who have not met all attendance requirements for online courses, as described herein, within the first two weeks or equivalent, will be considered not attending.

At the conclusion of the first two weeks of a semester or equivalent, instructors report any registered students who have “Never Attended” a course. Those students will be administratively withdrawn from that course. However, after the time period in the previous paragraphs, if a student stops attending a class or wants or needs to withdraw, for any reason, it is the student’s responsibility to take action to withdraw from the course. Students must complete and submit the appropriate Tri-C form by the established withdrawal deadline.

Tri-C is required to ensure that students receive financial aid only for courses that they attend and complete. Students reported for not attending at least one of their registered courses will have all financial aid funds held until confirmation of attendance in registered courses has been verified. Students who fail to complete at least one course may be required to repay all or a portion of their federal financial aid funds and may be ineligible to receive future federal financial aid awards. Students who withdraw from classes prior to completing more than 60 percent of their enrolled class time may be subject to the required federal refund policy.

If illness or emergency should necessitate a brief absence from class, students should confer with instructors upon their return. Students having problems with coursework due to a prolonged absence should confer with the instructor or a counselor.

IV. LEARNING OUTCOMES ASSESSMENT

Occasionally, in addition to submitting assignments to their instructors for evaluation and a grade, students will also be asked to submit completed assignments, called ‘artifacts,’ for assessment of course and program outcomes and the College’s Essential Learning Outcomes (ELOs). The artifacts will be submitted in Blackboard or a similar technology. The level of mastery of the outcome demonstrated by the artifact DOES NOT affect the student’s grade or academic record in any way. However, some instructors require that students submit their artifact before receiving their final grade. Some artifacts will be randomly selected for assessment, which will help determine improvements and support needed to further student success. If you have any questions, please feel free to speak with your instructor or contact the Learning Outcomes Assessment office.

V. CONCEALED CARRY STATEMENT

College policy prohibits the possession of weapons on college property by students, faculty and staff, unless specifically approved in advance as a job-related requirement (i.e., Tri-C campus police officers) or, in accordance with Ohio law, secured in a parked vehicle in a designated parking area only by an individual in possession of a valid conceal carry permit.

As a Tri-C student, your behavior on campus must comply with the student code of conduct which is available on page 29 within the Tri-C student handbook, available at http://www.tri-c.edu/student-resources/documents/studenthandbook.pdf You must also comply with the College’s Zero Tolerance for Violence on College Property available at http://www.tri-c.edu/policies-and-procedures/documents/3354-1-20-10-zero-tolerance-for-violence-policy.pdf

VI. CORONAVIRUS/COVID-19 STATEMENT

Students are responsible for adhering to all College health and safety guidance, including that which relates to the COVID-19 pandemic.

Public health requirements and standards are changing rapidly, and the College is adapting its guidance accordingly. Please check your Tri-C email and visit tri-c.edu/coronavirus regularly for updates.

All students must adhere to the following general guidelines, until further notice:

• Remain at home if you are ill or experiencing symptoms of illness. Do not attend any in-person class or gathering.
• Notify your instructor(s) if you are ill, have tested positive for COVID-19, or were exposed to an individual who has tested positive for COVID-19 and they will report the information to the Tri-C Compliance & Risk Management team and you may be contacted for follow-up information.
• Wear a mask or face covering at all times, including, but not limited to: upon entering and exiting any Tri-C facility, in class, and in all common areas.
• Maintain a distance of at least six feet between yourself and others at all times and if you must pass near an individual do it quickly and do not linger.
• Provide the College with relevant information about your current health status and participate in any required on-site checks (e.g., temperature checks, current contact information, symptom profile, etc.).
• Use only designated areas of Tri-C facilities, including entrances and exits. Sign in and out of Tri-C facilities as directed.

The general guidelines listed above do not encompass all coronavirus-related guidance. These guidelines are subject to change at the discretion of the College and under the direction of public health authorities. Students who fail to adhere to this guidance may be subject to disciplinary action under the College’s Student Code of Conduct and the Student Judicial Code.

Outcomes

Course Outcome(s):
Demonstrate professionalism in carrying out the functions and responsibilities of a student radiographer under direct supervision.

Essential Learning Outcome Mapping:
Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

Objective(s):
1. Exercise the priorities required in daily clinical practice.
2. Adhere to team practice concepts that focus on organizational theories, roles of team members and conflict resolution.
3. Describe the role of the health care team members in responding/reacting to a local or national emergency.
4. Integrate appropriate personal and professional values into clinical practice.
5. Recognize the influence of professional values on patient care.
6. Apply the principles of total quality management.
7. Maintain patient confidentiality standards and meet Health Insurance Portability and Accountability Act (HIPAA) requirements.

Course Outcome(s):
Perform basic patient care through appropriate action and communication with diverse populations under direct supervision.

Objective(s):
1. Execute basic medical imaging procedures under the appropriate level of supervision.
2. Provide patient-centered clinically effective care for all patients regardless of their age, gender, disability, special needs, ethnicity or culture.
3. 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.
4. Use patient and family education strategies appropriate to the comprehension level of the patient/family.
5. Provide desired psychosocial support to the patient and family.
6. Demonstrate competent assessment skills through effective management of the patient's physical and mental status.
7. Respond appropriately to medical emergencies.
8. Assess the patient and record clinical history.
9. Demonstrate basic life support procedures evidenced by current valid CPR card.
10. Use appropriate charting methods.
11. Apply standard and transmission-based precautions.
12. Apply the appropriate medical asepsis and sterile technique.
13. Demonstrate the principles of transferring, positioning and immobilizing patients.

Course Outcome(s):
Adapt procedures to meet age-specific, disease specific and cultural needs of patients.

Objective(s):
1. Explain how a person's cultural beliefs toward illness and health affect his or her health status.
2. Examine demographic factors that influence patient compliance with medical care.
3. Discuss the concept of diversity and its impact on the delivery of patient care.

Course Outcome(s):
Perform basic radiography procedures using radiation safety, safe equipment operation and patient safety under direct supervision.

Objective(s):
1. Demonstrate competency in the principles of radiation protection standards.
2. Select technical factors to produce quality diagnostic images with the lowest radiation exposure possible.
3. Adhere to national, institutional and department standards, policies and procedures regarding care of patients, providing radiologic procedures and reducing medical errors.
5. Demonstrate safe, ethical and legal practices.
6. Comply with departmental and institutional response to emergencies, disasters and accidents.

Course Outcome(s):
Employ critical thinking and problem solving to routine and non-routine procedures under direct supervision.

Objective(s):
1. Critique images for appropriate anatomy, image quality and patient identification.
2. Determine corrective measures to improve inadequate images.
3. Differentiate between emergency and non-emergency procedures.
4. Examine procedure orders for accuracy and make corrective actions when applicable.
5. Integrate the radiographer’s practice standards into clinical practice setting.
6. Adapt to changes and varying clinical situations.

Methods of Evaluation:
1. Exam competency
2. Written quizzes
3. Evaluation of Technical Skills and Professional Behavior
4. Student conferences
5. Portfolio assignments

Course Content Outline:
Clinical Practice
1. Code of ethics and professional behavior
   a. American Registry of Radiologic Technologies (ARRT) Code of Ethics incident reporting mechanisms
   b. Standards for supervision
      i. Direct
      ii. Indirect
   c. Understanding the patient’s expectations, rights and responsibilities
   d. Understanding the radiographer’s professional responsibilities
2. Professional communication
   a. Patients
   b. Patient’s family
   c. Health care team
   d. Confidentiality of patient records (Health Insurance Portability and Accountability Act [HIPAA] compliance)
3. Radiography Practice Standards
   a. Scope of Practice
   b. Clinical Performance Standards
   c. Quality Performance Standards
   d. Professional Performance Standards
   e. American Society of Radiologic Technologists (ASRT) Advisory Opinion Statements
4. Values
a. Personal
   i. Values development
   ii. Impact on patient care
b. Societal
   i. Rights and privileges
   ii. Community values
   iii. Impact on patient care
c. Professional
   i. Values development
   ii. Values conflict
   iii. Impact on patient care
   iv. Impact on social media

5. Culture and diversity
   a. Societal and individual factors
   b. Socioeconomical factors
   c. Gender
   d. Ethnicity
   e. Race
   f. Age
      i. Infant
      ii. Child
      iii. Adolescent
      iv. Adult
      v. Middle aged
      vi. Geriatric
   g. Family structure and dynamics
   h. Geographical factors
      i. Religion, spirituality and belief system
      j. Lifestyle choices and behaviors
   k. Sexual orientation
   l. Disability

Procedural Performance
1. Scheduling and sequencing of exams
2. Order/requisition evaluation and corrective measures
3. Facilities setup
4. Patient assessment, clinical history, education and care
   a. Patient monitoring- emergency and non emergency
      i. Vital signs
      ii. Assessment and clinical history
      iii. Equipment
      iv. Patient emergencies
   b. Patient privacy and confidentiality (HIPAA)
   c. Documentation
   d. Infection control
   e. Patient education
      i. Appropriate communication style
      ii. Age specific
      iii. Cultural and socioeconomical sensitivity
      iv. Patient focused care
   f. Medical error reduction
   g. Patient safety considerations

5. Imaging
   a. Positioning considerations
   b. Technical considerations
   c. Image acquisition
   d. Image analysis
   e. Appropriate level of supervision

6. Radiation protection
a. As Low As Reasonably Achievable (ALARA) Principles
b. Radiation safety practices
   i. Protection of the patient
   ii. Protection of personnel
   iii. Protection of others
c. Education
   i. Patient and family members
   ii. Other members of the healthcare team
d. Equipment and accessories

7. Exam specific protocols according to ARRT Clinical Competency Requirements
a. Extremities
   i. Upper extremities
   ii. Lower extremities
b. Thorax, abdomen and pelvis
   i. Chest
   ii. Abdomen
   iii. Pelvis and hip
c. Other
   i. Bone age
   ii. Bone survey
d. Gastrointestinal procedures
   i. Contrast enemas (single or double contrast)
   ii. Esophageal studies
   iii. Small bowel series
   iv. Swallowing dysfunction studies
   v. Upper GI series (single or double contrast)
e. Urological studies
   i. Intravenous urography
f. Mobile radiography
   i. Chest
   ii. Abdomen
   iii. Extremities
g. ER/trauma and general procedures
   i. Chest
   ii. Abdomen
   iii. Extremities

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