Clinical Practice I-A
Course Syllabus

Course Number: RADT-0055A
OHLAP Credit: No
OCAS Code: None
Course Length: 240 Hours
Career Cluster: Health Science
Career Pathway: Diagnostic Services
Career Major(s): Radiologic Technologist

Pre-requisite(s):
Course Description:
Content and clinical practice experiences designed to sequentially develop, apply, integrate, synthesize, and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency- based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined, and evaluated.

Clinical practice experiences should be designed to provide patient care and assessment, competent performance of radiologic imaging and total quality management. Levels of competency and outcomes measurement ensure the well-being of the patient before, during, and following the radiologic procedure.

Textbooks:

Course Objectives:
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 the 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.
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.
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.
26. Examine procedure orders for accuracy and make corrective action 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.

All objectives are taken from the ASRT (American Society of Radiologic Technologists) Curriculum © 2017

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
### Grading Procedures:
1. Students are graded on theory and lab practice and performance.
2. Each course must be passed with eighty (80%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
4. Students wanting to take advantage of college credit/alliance agreements must maintain an 80% in their coursework.
5. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

### Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

### Available Certifications/College Credit
The student may be eligible to take state, national or industry exam after completion of the program. Tulsa Tech students may be able to earn college credit based on their knowledge gained at Tech. The process of earning credit through Prior Learning Assessment (PLA) will be determined after completion with Tech and based on certification, credential or knowledge of the subject. See program counselor for additional information.

### College Credit Eligibility:
All Tulsa Tech students (high school and adult) may have the opportunity to receive college credit upon completion of their program. Our College Relations office will work with students regarding the benefits of Prior Learning Assessments (PLA) toward an Associate of Applied Science (AAS) degree or a technical college certificate at area colleges. For more details call the College Relations office at 918.828.5000.