

Collin College - Continuing Education

Course Syllabus

Course Title: Radiology Training III

Course Number: RAD1 5615

Class Web Site: <http://www.collin.edu/ce/courses/radiology.html>

Course Description: The courses included in the Radiology Training Certificate will give students an overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the profession and the health care system. Also included will be instruction on anatomic relationships present under various sectional orientations, and the scientific process of radiographic image evaluation.

Hours: 40

Course Prerequisite(s):

Radiology Training I, Radiology Training II
CMA, CNA, or 6 months direct patient care experience.

Student Learning Outcomes:

1. Analyze the positioning and technical qualities of a radiographic image

Certification Notes: Radiology Training III covers:

- 16 hours of radiographic equipment maintenance and operation (including 6 hours of quality control, darkroom, processing, and Texas Regulations for Control of Radiation)
- 8 hours of spine anatomy and radiologic procedures, and
- 14 hours of lower extremity anatomy and radiologic procedures

38 Total hours as outlined by the TX Dept of State Health Services

Next Class Possibilities:

Electrocardiography, Phlebotomy

Textbook(s): (Contact bookstore for current edition and cost)

Textbook of Radiographic Positioning and Related Anatomy. Elsevier Publishing

Withdrawal Policy: See the current *Career Skills Training* catalog for the tuition refund policy.

Collin College Academic Policies: See the current *Collin Student Handbook*.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to

arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Meeting Location: Courtyard Center

Attendance Policy: Students must be in attendance for at least 90% in order to pass competencies.

Lesson Plan – by session

Session 1: Cervical spine radiology and image evaluation

Session 2: Thoracic spine radiology and image evaluation

Session 3: Lumbar spine radiology and image evaluation

Session 4: Lumbar spine radiology and image evaluation

Session 5: Darkroom and processing

Session 6: Texas regulations

Session 7: Midterm review

Session 8: Midterm

Session 9: Hip and thigh / image production and evaluation

Session 10: Knee and leg / image production and evaluation

Session 11: Ankle and foot / image production and evaluation

Session 12: Overall review

Session 13: Final Review

Session 14: Final Practical

Sessions listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, labs, and days.

Method of Evaluation: Students must achieve a minimum of 75% final average and must be in attendance 90% of the class time in order to pass competencies.