

## Course Syllabus

**Course Title:** Radiology Training I

**Course Number:** RAD1 5605

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

**Course Description:** 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.

**Hours:** 40

**Course Prerequisite(s):** CMA, CNA, or 6 months direct patient care experience.

**Student Learning Outcomes:**

1. Define basic medical terms
2. Identify ethical and legal standards
3. Explain radiation protection practices
4. Relate the role of radiography to health care

**Certification Notes:** Radiology Training I covers:

- 22 hours of Radiation safety and protection for the patient, self and others
- 8 hours of chest anatomy and radiologic procedures,
- 5 hours of podiatric anatomy and radiologic procedures, and
- 4 hours of abdomen (not including any procedures utilizing contrast media) anatomy and radiologic procedures.

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

**Next Class Possibilities:** Radiology Training II

**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: Introductions to the class, and introductions to the lab

Session 2: Radiology safety, how X-rays work

Session 3: Calculating Rvp, ma, and time

Session 4: Chest radiology

Session 5: Chest radiology cont'd

Session 6: Abdomen radiology

Session 7: Abdomen radiology cont'd

Session 8: Midterm practical

Session 9: Patient safety

Session 10: Skull radiology

Session 11: Skull radiology cont'd

Session 12: Final review

Session 13: 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.