LSR1160 - Radiographic Procedures I

Credits:	5 (2/3/0)
Description:	This course provides the information students need to perform radiographic/imaging procedures related to the thoracic viscera, abdomen, and the upper and lower extremities (including shoulder girdle and podiatric exams). General medical and radiographic terminology, anatomy, routine positions and projections are the focus of the class. Radiographic equipment and accessory manipulation, selection of technical factors, correct body mechanics, and patient care skills and monitoring techniques will be practiced in the lab.
Prerequisites:	• BIOL2260 • COMM1140 • HLTH1116
Corequisites:	• LSR1100 • LSR1120 • LSR1140
Pre/Corequisites*:	
Competencies:	1. Use medical and radiographic terminology in the correct context. 2. Perform radiographic procedures and demonstrate use of immobilization devices and positioning aids in the lab setting. 3. Manipulate radiographic equipment and accessories while using proper body mechanics during simulated radiographic exams in the lab setting. 4. Apply radiation protection principles. 5. Select technical factors pertinent to each radiographic exam and recognize technical factor differences due to body habitus, trauma, pathology and other circumstances beyond the control of the radiographer. 6. Communicate patient positioning instructions and demonstrate patient preparation procedures while simulating radiographic exams in the lab setting. 7. Simulate patient care, monitoring and transfer techniques in the lab setting. 8. Know the positions and projections needed for routine radiographic exams related to the thoracic viscera and the upper and lower extremities (including the shoulder girdle and podiatric exams). 9. Critique positioning and projections for accuracy of technical factors. 10. Demonstrate patient interview techniques and instruct the patient in exam requirements (e.g., breathing, part position, etc.) while simulating radiographic exams in the lab setting. 11. Correlate anatomical structures with topographic landmarks and demonstrate use of these landmarks during positioning procedures. 12. Critique images for positioning, centering, anatomy and overall image quality, and identify corrective actions needed to improve suboptimal image quality. 13. Recognize suboptimal image quality.
MnTC goal areas:	None

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Can be taking as a Prerequisite or Corequisite.

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