

Montgomery County Community College  
RAD 114  
Clinical Education II  
3-0-15

**COURSE DESCRIPTION:**

This clinical course is a continuation of Clinical Education I. Emphasis is placed on clinical rotations where students can observe

<p>factors selection, positioning skills, radiation protection, and image processing.</p>	<p>Oral Communication Simulations Image Evaluation Assignment</p>	
<p>4. Respond appropriately to exposure indicator values.</p>	<p>Observation Demonstration and Practice Oral Communication Simulations Image Evaluation Assignment</p>	<p>Clinical Evaluations Bi Weekly Evaluations Image Evaluation Rubric</p>

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
5. Execute medical imaging procedures under the appropriate level of supervision.	Observation Demonstration and Practice Computer Technology Critical Thinking Activities Oral Communication	Clinical Evaluations Bi Weekly Evaluations
6. Evaluate images for proper anatomical parts, alignment, exposure techniques, patient identification and radiation protection.	Observation Demonstration and Practice Computer Technology Critical Thinking Activities Image Evaluation Assignment Oral Communication	Clinical Evaluations Bi Weekly Evaluations Image Evaluation Rubric
7. Demonstrate proper patient care skills, interpersonal skills and use of time.	Observation Demonstration and Practice Computer Technology Critical Thinking Activities Oral Communication	Clinical Evaluations Bi Weekly Evaluations
8. Explain the influence of professional values on patient care.	Observation Demonstration and Practice Computer Technology Critical Thinking Activities Oral Communication Simulations	Clinical Evaluations Bi Weekly Evaluations
9. Adapt procedures to meet age-specific, disease-specific and cultural needs of patients.	Observation Demonstration and Practice Computer Technology Critical Thinking Activities Oral Communication	Clinical Evaluations Bi Weekly Evaluations
10. Provide desired psychosocial support to patient and family.	Observation Demonstration and Practice Computer Technology Critical Thinking Activities Oral Communication Simulations	Clinical Evaluations Bi Weekly Evaluations

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

#### SEQUENCE OF TOPICS:

According to the American Registry of Radiologic Technologists (ARRT), students must demonstrate competency in all 36 mandatory procedures. Procedures should be performed on patients whenever possible, but up to ten (10) mandatory procedures may be simulated if demonstration on patients is not feasible. Students must also demonstrate competence in 15 of the 34 \*elective procedures. Elective procedures should be performed on patients whenever possible, but electives may be simulated if demonstration on patients is not feasible. Based on the topics presented in RAD 111 and 121, Students will be required to achieve a minimum of 7 competencies. Any competencies from the previous semester that are required for the total may also be attempted.

1. Toes\*
2. Foot/Ankle
3. Calcaneus\*
4. Tibia/fibula
5. Knee
6. Patella\*
7. Femur
8. Hip
9. Pelvis
10. Cross-Table Lateral Hip
11. Soft Tissue Neck\*
12. Cervical vertebrae
13. Thoracic vertebrae
14. Lumbar vertebrae
15. Cross-table Lateral Spine
16. Sacrum/coccyx\*
17. Scoliosis Series\*
18. Pediatric Upper or Lower Extremity\*
19. Geriatric Upper or Lower Extremity
20. Geriatric Hip/Spine\*
21. Trauma Lower

LEARNING MATERIALS:

Text:

Long, Curtis, and Smith, (2023). *Merrill's Pocket Guide to Radiography* (15<sup>th</sup> ed.). St. Louis, MO: Mosby Publishing Inc.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Cheryl L. Weiss, M.S., R.T. and Dr. Victoria Bastecki-Perez	Date: 12/2002
Revised by: Debra Poelhuis, M.S., R.T.	Date: 1/2009
VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr.	Date: 9/11/2009
Revised by: Debra Poelhuis, R.T., M.S.	Date: 10/26/2012
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 10/26/2012
Revised by: Cheryl L. DiLanzo, M.S., R.T.	Date: 10/28/2016
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 11/5/2016
Revised by: Debbie Dalrymple and Cheryl L. DiLanzo, M.S., R.T	Date: 1/9/2018