

LAST REVIEW: 2010-2011 **NEXT REVIEW:** 2015-2016 **STATUS:** A

COURSE TITLE: Radiographic Procedures II Lab

COMMON COURSE NUMBER: RTE 1513L

CREDIT HOURS: 1

CONTACT HOUR BREAKDOWN

CLOCK HOURS:

Lecture: Lab: 32

Clinic: Other:

PREREQUISITE(S): RTE 1000, RTE 1111, RTE 1503, RTE 1503L, RTE 1804

COREQUISITE(S):

PRE/COREQUISITE(S): RTE1418, RTE 1418L, RTE 1513, RTE 1613, RTE 1814

COURSE DESCRIPTION: Practical application of radiographic procedures & positioning to include the upper limb, humerus & shoulder girdle, lower limb, femur & pelvic girdle, bony thorax, & related trauma & mobile examinations.

UNIT TITLES

- 1. Upper Limb Radiography: Fingers, Hand, Wrist, Forearm, & Elbow**
- 2. Radiography of the Humerus & Shoulder Girdle**
- 3. Lower Limb Radiography: Toes, Foot, Heel, Ankle, Lower Leg, Knee, & Patella**
- 4. Radiography of the Femur & Pelvic Girdle**
- 5. Radiography of the Bony Thorax**
- 6. Trauma & Mobile Radiography of the Extremities, Shoulder & Pelvic Girdles**

EVALUATION: Assessment includes laboratory competency evaluations.

Common Course Number: RTE 1513L

UNITS

Unit 1 Upper Limb Radiography: Fingers, Hand, Wrist, Forearm, & Elbow

General Outcome:

1.0 The student shall be able to accurately perform the positions/projections used for imaging of the upper limb.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1** Position a lab partner or phantom body part correctly for each of the positions/projections used to demonstrate the upper limb.
- 1.2** Correctly employ radiographic equipment, positioning aids, immobilization devices, lead markers, & other accessories for positioning of the upper limb.
- 1.3** Demonstrate appropriate patient-technologist interpersonal communication skills during positioning.
- 1.4** Demonstrate appropriate safety precautions for protection of the patient & technologist during positioning.
- 1.5** Set appropriate exposure factors for images of the upper limb.
- 1.6** Evaluate images of the upper limb in terms of accuracy of positioning & demonstration of anatomy.

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UNITS

Unit 2 Radiography of the Humerus & Shoulder Girdle

General Outcome:

2.0 The student shall be able to accurately perform the positions/projections used for imaging of the humerus & shoulder girdle.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1** Position a lab partner or phantom body part correctly for each of the positions/projections used to demonstrate the humerus & shoulder girdle.
- 2.2** Correctly employ radiographic equipment, positioning aids, immobilization devices, lead markers, & other accessories for positioning of the humerus & shoulder girdle.
- 2.3** Demonstrate appropriate patient-technologist interpersonal communication skills during positioning.
- 2.4** Demonstrate appropriate safety precautions for protection of the patient & technologist during positioning.
- 2.5** Set appropriate exposure factors for images of the humerus & shoulder girdle.
- 2.6** Evaluate images of the humerus & shoulder girdle in terms of accuracy of positioning & demonstration of anatomy.

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UNITS

Unit 3 Lower Limb Radiography: Toes, Foot, Heel, Ankle, Lower Leg, Knee, & Patella

General Outcome:

3.0 The student shall be able to accurately perform the positions/projections used for imaging of the lower limb.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1** Position a lab partner or phantom body part correctly for each of the positions/projections used to demonstrate the lower limb.
- 3.2** Correctly employ radiographic equipment, positioning aids, immobilization devices, lead markers, & other accessories for positioning of the lower limb.
- 3.3** Demonstrate appropriate patient-technologist interpersonal communication skills during positioning.
- 3.4** Demonstrate appropriate safety precautions for protection of the patient & technologist during positioning.
- 3.5** Set appropriate exposure factors for images of the lower limb.
- 3.6** Evaluate images of the lower limb in terms of accuracy of positioning & demonstration of anatomy.

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UNITS

Unit 4 Radiography of the Femur & Pelvic Girdle

General Outcome:

4.0 The student shall be able to accurately perform the positions/projections used for imaging of the femur & pelvic girdle.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1** Position a lab partner or phantom body part correctly for each of the positions/projections used to demonstrate the femur & pelvic girdle.
- 4.2** Correctly employ radiographic equipment, positioning aids, immobilization devices, lead markers, & other accessories for positioning of the femur & pelvic girdle.
- 4.3** Demonstrate appropriate patient-technologist interpersonal communication skills during positioning.
- 4.4** Demonstrate appropriate safety precautions for protection of the patient & technologist during positioning.
- 4.5** Set appropriate exposure factors for images of the femur & pelvic girdle.
- 4.6** Evaluate images of the femur & pelvic girdle in terms of accuracy of positioning & demonstration of anatomy.

Common Course Number: RTE 1513L

UNITS

Unit 5 Radiography of the Bony Thorax

General Outcome:

5.0 The student shall be able to accurately perform the positions/projections used for imaging of the bony thorax.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 5.1** Position a lab partner or phantom body part correctly for each of the positions/projections used to demonstrate the bony thorax.
- 5.2** Correctly employ radiographic equipment, positioning aids, immobilization devices, lead markers, & other accessories for positioning of the bony thorax.
- 5.3** Demonstrate appropriate patient-technologist interpersonal communication skills during positioning.
- 5.4** Demonstrate appropriate safety precautions for protection of the patient & technologist during positioning.
- 5.5** Set appropriate exposure factors for images of the bony thorax.
- 5.6** Evaluate images of the bony thorax in terms of accuracy of positioning & demonstration of anatomy.

Common Course Number: RTE 1513L

UNITS

Unit 6 Trauma & Mobile Radiography of the Extremities, Shoulder & Pelvic Girdles

General Outcome:

- 6.0 The student shall be able to accurately perform the positions/projections used for trauma & mobile imaging of the extremities & shoulder & pelvic girdles.**

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 6.1** Position a lab partner or phantom body part correctly for each of the trauma & mobile positions/projections used to demonstrate the extremities & shoulder & pelvic girdles.
- 6.2** Correctly employ radiographic equipment, positioning aids, immobilization devices, lead markers, & other accessories for positioning of the extremities & shoulder & pelvic girdles.
- 6.3** Demonstrate appropriate patient-technologist interpersonal communication skills during trauma & mobile positioning.
- 6.4** Demonstrate appropriate safety precautions for protection of the patient & technologist during trauma & mobile positioning.
- 6.5** Set appropriate exposure factors for trauma & mobile images of the extremities & shoulder & pelvic girdles.
- 6.6** Evaluate trauma & mobile images of the extremities & shoulder & pelvic girdles in terms of accuracy of positioning & demonstration of anatomy.