



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW: 2008 -2009 **NEXT REVIEW:** 2013 -2014- **STATUS:** A
(i.e. 2003-2004) *(i.e. 2008-2009)* *(A, I, D)*

COURSE TITLE: Radiographic Anatomy & Positioning III Laboratory

COMMON COURSE NUMBER: RTE 2523L

CREDIT HOURS: 1

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS:

(Voc. Course ONLY)

Lecture: Lab: 32

Clinic: Other:

PREREQUISITE(S): RTE 1513, RTE 1513L, RTE 1824

COREQUISITE(S):

PRE/COREQUISITE(S): RTE 2523, RTE 2623, RTE 2782 RTE 2834

COURSE DESCRIPTION: Practical application of the theory taught in RTE 2523. Students practice positioning of the cranium and facial area, bony thorax to include ribs and sternum and trauma and pediatric radiography.

General Education Requirements – Associate of Arts Degree (AA), meets Area(s): Area
 General Education Requirements – Associate in Science Degree (AS), meets Area(s): Area
 General Education Requirements – Associate in Applied Science Degree (AAS), meets Area(s): Area

UNIT TITLES

1. Ribs
2. Sternum, S-C Joints & A-C Joints
3. Skull (Cranium), including Sella Turcica
4. Facial Bones, Nasal Bones & Zygomatic Arches
5. Orbits & Optic Foramen
6. Mandible & Tempromandibular Joints
7. Paranasal Sinuses
8. Temporal Bones

ASSESSMENT:

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.
Laboratory equipment use and patient positioning competency check offs.

**** Complete the following only if course is seeking general education status ****



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Unit 1 Ribs

General Outcome:

- 1.0 The student shall:** be able to accurately position lab partners or phantoms for each of the basic and optional views of the ribs.

Specific Measurable Learning Outcomes:

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

- 1.1** Accurately position a lab partner and align the equipment appropriately for each of the positions or projections employed to demonstrate the ribs.
- 1.2** Accurately identify rib anatomy on diagrams, skeletons and radiographs.
- 1.3** Describe, in anatomical terms, the positioning of a patient for rib series
- 1.4** Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for ribs.
- 1.5** Demonstrate appropriate safety precautions for protection of the patient and technologist while performing rib examinations
- 1.6** Demonstrate appropriate use of technique charts in establishing exposure settings for rib radiography
- 1.7** Accurately correct positioning or equipment errors when poor quality radiographs of the ribs are produced



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Unit 2 Sternum, S-C Joints and A-C Joints

General Outcome:

- 2.0 The student shall:** be able to accurately position lab partners or phantoms for each of the basic and optional views of the sternum, S-C joints and A-C joints.

Specific Measurable Learning Outcomes:

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

- 2.1** Accurately position a lab partner and align the equipment appropriately or each of the positions or projections employed to demonstrate the sternum, S-C joints and A-C joints
- 2.2** Accurately identify sternum, S-C joints and A-C joints anatomy on diagrams, skeletons and radiographs.
- 2.3** Describe, in anatomical terms, the positioning of a patient for sternum, S-C joints and A-C joints series
- 2.4** Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for S-C joints and A-C joints
- 2.5** Demonstrate appropriate safety precautions for protection of the patient and technologist while performing sternum, S-C joints and A-C joints examinations
- 2.6** Demonstrate appropriate use of technique charts in establishing exposure settings for sternum, S-C joints and A-C joints radiography
- 2.7** Accurately correct positioning or equipment errors when poor quality radiographs of the sternum, S-C joints and A-C joints are produced



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Unit 3 Skull & Sella Turcica

General Outcome:

- 3.0 The student shall:** be able to accurately position lab partners or phantoms for each of the basic and optional views of the skull and sella turcica.

Specific Measurable Learning Outcomes:

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

- 3.1** Accurately position a lab partner and align the equipment appropriately or each of the positions or projections employed to demonstrate the skull and sella turcica
- 3.2** Accurately identify skull and sella turcica anatomy on diagrams, skeletons and radiographs.
- 3.3** Describe, in anatomical terms, the positioning of a patient for skull and sella turcica series
- 3.4** Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for skull and sella turcica
- 3.5** Demonstrate appropriate safety precautions for protection of the patient and technologist while performing skull and sella turcica examinations
- 3.6** Demonstrate appropriate use of technique charts in establishing exposure settings for skull and sella turcica radiography
- 3.7** Accurately correct positioning or equipment errors when poor quality radiographs of the skull and sella turcica are produced



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Unit 4 Facial Bones, Nasal Bones & Zygomatic Arches

General Outcome:

- 4.0 The student shall:** be able to accurately position lab partners or phantoms for each of the basic and optional views of the facial bones and zygomatic arches.

Specific Measurable Learning Outcomes:

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

- 4.1** Accurately position a lab partner and align the equipment appropriately for each of the positions or projections employed to demonstrate the facial bones, nasal bones and zygomatic arches
- 4.2** Accurately identify facial bones, nasal bones and zygomatic arches anatomy on diagrams, skeletons and radiographs.
- 4.3** Describe, in anatomical terms, the positioning of a patient for facial bones, nasal bones and zygomatic arches series
- 4.4** Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for facial bones, nasal bones and zygomatic arches
- 4.5** Demonstrate appropriate safety precautions for protection of the patient and technologist while performing facial bones, nasal bones and zygomatic arches examinations
- 4.6** Demonstrate appropriate use of technique charts in establishing exposure settings for facial bones, nasal bones and zygomatic arches radiography
- 4.7** Accurately correct positioning or equipment errors when poor quality radiographs of the facial bones, nasal bones and zygomatic arches are produced



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Unit 5 Orbits

General Outcome:

5.0 The student shall: be able to accurately position lab partners or phantoms for each of the basic and optional trauma and pediatric views of all body parts.

Specific Measurable Learning Outcomes:

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

- 5.1 Accurately position a lab partner and align the equipment appropriately for each of the positions or projections employed to demonstrate the anatomy on trauma and pediatric patients
- 5.2 Describe, in anatomical terms, the positioning of a patient for trauma or pediatric series
- 5.3
- 5.4 Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for trauma or with pediatric patients
- 5.5 Demonstrate appropriate safety precautions for protection of the patient and technologist while performing trauma or pediatric patients
- 5.6 Demonstrate appropriate use of technique charts in establishing exposure settings trauma patients and pediatric patients
- 5.7 Accurately correct positioning or equipment errors for poor quality radiographs of trauma patients or pediatric patients



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Unit 6 Mandible & Temporomandibular Joints (TMJs)

General Outcome:

6.0 The student shall: be able to accurately position lab partners or phantoms or each of the basic and optional views of the mandible and TMJ.

Specific Measurable Learning Outcomes:

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

- 6.1** Accurately position a lab partner and align the equipment appropriately or each of the positions or projections employed to demonstrate the mandible and TMJ
- 6.2** Accurately identify mandible and TMJ anatomy on diagrams, skeletons and radiographs
- 6.3** Describe, in anatomical terms, the positioning of a patient for mandible and TMJ series
- 6.4** Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for mandible and TMJ
- 6.5** Demonstrate appropriate safety precautions for protection of the patient and technologist while performing mandible and TMJ examinations
- 6.6** Demonstrate appropriate use of technique charts in establishing exposure settings for mandible and TMJ radiography
- 6.7** Accurately correct positioning or equipment errors when poor quality radiographs of the mandible and TMJ are produced



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Unit 7 Paranasal Sinuses

General Outcome:

7.0 The student shall: be able to accurately position lab partners or phantoms for each of the basic and optional views of the paranasal sinuses.

Specific Measurable Learning Outcomes:

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

- 7.1 Accurately position a lab partner and align the equipment appropriately for each of the positions or projections employed to demonstrate the paranasal sinuses
- 7.2 Accurately identify paranasal sinuses anatomy on diagrams, skeletons and radiographs.
- 7.3 Describe, in anatomical terms, the positioning of a patient for paranasal sinuses series
- 7.4 Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for paranasal sinuses
- 7.5 Demonstrate appropriate safety precautions for protection of the patient and technologist while performing paranasal sinuses examinations
- 7.6 Demonstrate appropriate use of technique charts in establishing exposure settings for paranasal sinuses radiography
- 7.7 Accurately correct positioning or equipment errors when poor quality radiographs of the paranasal sinuses are produced



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Unit 8 Temporal Bones

General Outcome:

7.0 The student shall: be able to accurately position lab partners or phantoms or each of the basic and optional views of the Temporal bones.

Specific Measurable Learning Outcomes:

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

- 8.1** Accurately position a lab partner and align the equipment appropriately for each of the positions or projections employed to demonstrate the temporal bone
- 8.2** Accurately identify mastoids and temporal bone anatomy on diagrams, skeletons and radiographs.
- 8.3** Describe, in anatomical terms, the positioning of a patient for temporal bone series
- 8.4** Demonstrate appropriate patient-technologists interpersonal relationship and communication skills while positioning for temporal bone
- 8.5** Demonstrate appropriate safety precautions for protection of the patient and technologist while performing temporal bone examinations
- 8.6** Demonstrate appropriate use of technique charts in establishing exposure settings for temporal bone radiography
- 8.7** Accurately correct positioning or equipment errors when poor quality radiographs of the temporal bone are produced