



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: Radiology for Medical Assisting Part II

COMMON COURSE NUMBER: MEA 0259

CREDIT HOURS:

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS: 4
(Voc. Course ONLY)

Lecture: 64 Lab:
Clinic: Other:

PREREQUISITE(S): MEA 0258

COREQUISITE(S): MEA 0259L

PRE/COREQUISITE(S):

COURSE DESCRIPTION: Provides instruction in radiographic anatomy, positioning, procedures, and pathology of the upper and lower extremities, shoulder girdle, pelvis, spine, bony thorax, chest, abdomen, skull, facial bones, and sinuses.

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. Radiographic Anatomy, Positioning Principles, & Pathology
2. Anatomy & Positioning of the Upper Extremity & Shoulder Girdle
3. Anatomy & Positioning of the Lower Extremity & Pelvis
4. Anatomy & Positioning of the Spine
5. Anatomy & Positioning of the Bony Thorax, Chest, & Abdomen
6. Anatomy & Positioning of the Skull, Facial Bones, & Sinuses
7. Radiography of Pediatric & Geriatric Patients



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

EVALUATION:

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.

Assessment includes examinations, assignments, and online posts.

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

GENERAL EDUCATION Competencies and Skills*:

Please highlight in green font all Competencies/Skills from the list below that apply to this course. In the box to the right of the Competency/Skill, enter all specific learning outcome numbers (i.e. 1.1, 2.7, 5.12) that apply.

1. Read with critical comprehension	
2. Speak and listen effectively	
3. Speak and listen effectively	
4. Think creatively, logically, critically, and reflectively (analyze, synthesize, apply, and evaluate)	
5. Demonstrate and apply literacy in its various forms: (highlight in green ALL that apply) (1. technological, 2. informational, 3. mathematical, 4. scientific, 5. cultural, 6. historical, 7. aesthetic and/or 8. environmental)	
6. Apply problem solving techniques to real-world experiences	
7. Apply methods of scientific inquiry	
8. Demonstrate an understanding of the physical and biological environment and how it is impacted by human beings	
9. Demonstrate an understanding of and appreciation for human diversities and commonalities	
10. Collaborate with others to achieve common goals.	
11. Research, synthesize and produce original work	
12. Practice ethical behavior	
13. Demonstrate self-direction and self motivation	
14. Assume responsibility for and understand the impact of personal behaviors on self and society	
15. Contribute to the welfare of the community	

**General Education Competencies and Skills endorsed by '05-'06 General Education Task Force*



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: MEA 0259

UNITS

Unit 1 Radiographic Anatomy, Positioning Principles, & Pathology

General Outcome:

- 1.0** The student shall be able to describe principles related to radiographic anatomy, positioning, and pathology.

Specific Measurable Learning Outcomes:

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

- 1.1** Describe the structure of bone.
- 1.2** Differentiate between classifications of joints.
- 1.3** Describe features of bone shapes.
- 1.4** Define terminology to describe anatomic locations & relationships.
- 1.5** Define terminology to describe radiographic positions & projections.
- 1.6** Describe the steps involved in radiographic procedures.
- 1.7** Define terminology to describe or classify disease processes.



Common Course Number: MEA 0259

UNITS

Unit 2 Anatomy & Positioning of the Upper Extremity & Shoulder Girdle

General Outcome:

- 2.0 The student shall be able to describe the radiographic procedures used to demonstrate the anatomy of the upper extremity and shoulder girdle.**

Specific Measurable Learning Outcomes:

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

- 2.1** Identify the anatomy of the upper extremity & shoulder girdle.
- 2.2** Describe the projections/positions employed for radiography of the upper extremity & shoulder girdle.
- 2.3** Evaluate images of the upper extremity & shoulder girdle for positioning accuracy.
- 2.4** Describe & identify common pathology of the upper extremity & shoulder girdle.



Common Course Number: MEA 0259

UNITS

Unit 3 Anatomy & Positioning of the Lower Extremity & Pelvis

General Outcome:

3.0 The student shall be able to describe the radiographic procedures used to demonstrate the anatomy of the lower extremity and pelvis.

Specific Measurable Learning Outcomes:

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

- 3.1** Identify the anatomy of the lower extremity & pelvis.
- 3.2** Describe the projections/positions employed for radiography of the lower extremity & pelvis.
- 3.3** Evaluate images of the lower extremity & pelvis for positioning accuracy.
- 3.4** Describe & identify common pathology of the lower extremity & pelvis.



Common Course Number: MEA 0259

UNITS

Unit 4 Anatomy & Positioning of the Spine

General Outcome:

4.0 The student shall be able to describe the radiographic procedures used to demonstrate the anatomy of the spine.

Specific Measurable Learning Outcomes:

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

- 4.1** Identify the anatomy of the cervical, thoracic, & lumbar spines.
- 4.2** Describe the projections/positions employed for radiography of the spine.
- 4.3** Evaluate images of the spine for positioning accuracy.
- 4.4** Describe & identify common pathology of the spine.



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: MEA 0259

UNITS

Unit 5 Anatomy & Positioning of the Bony Thorax, Chest, & Abdomen

General Outcome:

5.0 The student shall be able to describe the radiographic procedures used to demonstrate the anatomy of the bony thorax, chest, and abdomen.

Specific Measurable Learning Outcomes:

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

- 5.1** Identify the anatomy of the bony thorax, chest, & abdomen.
- 5.2** Describe the projections/positions employed for radiography of the bony thorax, chest, & abdomen.
- 5.3** Evaluate images of the bony thorax, chest, & abdomen for positioning accuracy.
- 5.4** Describe & identify common pathology of the bony thorax, chest, & abdomen.



Common Course Number: MEA 0259

UNITS

Unit 6 Anatomy & Positioning of the Skull, Facial Bones, & Sinuses

General Outcome:

6.0 The student shall be able to describe the radiographic procedures used to demonstrate the anatomy of the skull, facial bones, and sinuses.

Specific Measurable Learning Outcomes:

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

- 6.1** Identify the anatomy of the skull, facial bones, & sinuses.
- 6.2** Describe the projections/positions employed for radiography of the skull, facial bones, & sinuses.
- 6.3** Evaluate images of the skull, facial bones, & sinuses for positioning accuracy.
- 6.4** Describe & identify common pathology of the skull, facial bones, & sinuses.



Common Course Number: MEA 0259

UNITS

Unit 7 Radiography of Pediatric & Geriatric Patients

General Outcome:

7.0 The student shall be able to discuss special considerations for radiography of pediatric and geriatric patients.

Specific Measurable Learning Outcomes:

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

- 7.1** Describe appropriate levels of communication with children & older patients.
- 7.2** Describe methods & equipment used for immobilization of pediatric & geriatric patients.
- 7.3** Describe the special projections/positions employed for radiography of pediatric patients.
- 7.4** Identify pediatric anatomy.
- 7.5** Discuss physical changes that accompany aging.
- 7.6** Describe & identify common pathology seen on pediatric & geriatric images.