



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiology

Option:

Course Outline Part A

**MRAD 1104**

**Radiographic Anatomy and Physiology**

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<b>Hours/Week:</b>	3	<b>Total Hours:</b>	48	<b>Term/Level:</b>	1
<b>Lecture:</b>	1	<b>Total Weeks:</b>	16	<b>Credits:</b>	3.5
<b>Lab:</b>	2				
<b>Other:</b>					

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### Prerequisites

**MRAD 1104 is a Prerequisite for:**

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Course No.	Course Name	Course No.	Course Name
BHSC 1113	Basic Anatomy and Physiology	2204	Radiographic Anatomy

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### Course Goal(s)

To provide the student with an in-depth understanding of the skeleton and basic structures of the abdomen and thorax. Emphasis is placed on radiography, nomenclature, surface anatomy, specific bony structures, articulations and radiographic appearance of structures.

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### Course Description

During Level I of this course the lecture and laboratory material will cover the entire skeleton (exception of the skull) and the basic structures of the chest and abdomen. Emphasis both in lecture and lab will be placed on: application to radiography, nomenclature, surface anatomy, specific bony structures, articulations and radiographic appearance of structures.

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### Evaluation

<b>Weekly quizzes</b>	<b>15%</b>
<b>Mid term exams</b>	
<b>Lecture</b>	<b>25%</b>
<b>Lab</b>	<b>25%</b>
<b>Final Exam</b>	
<b>Lecture/lab</b>	<b>40%</b>

<b>NOTE: THE PASS MARK FOR THIS COURSE IS 60%.</b>
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Each of the following statements are identified with the relevant Critical Task (CT) for Competency according to the C.A.M.R.T. publication, January 1997

### Course Outcomes and Sub-Outcomes

Upon successful completion of this course, the student will be able to:

1. Describe the structure, function and relative positions of all the bones (except the skull) which comprise the human skeleton. (CT A4)
2. Describe the structure, function and relative positions of all the contents of the chest and abdominal cavities. (CT A7)
3. Locate all bony and non-bony structures using surface anatomy. (CT A4)
4. Evaluate radiographs for variations in organ locations based on *body type* and *position*. (CT A7)
5. Identify on radiographs all parts of the bony skeleton (except the skull). (CT A7)
6. Identify on radiographs selected structures within the abdomen and thorax. (CT A7)

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### Course Record

Developed by: M. Filippelli  
Instructor Name and Department (signature)

Date: \_\_\_\_\_

Revised by: M. Filippelli  
Instructor Name and Department (signature)

Date: Dec 2000

\*\*\*\*This course outline may be subject to changes as the need arises.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline *Part B*

Operating Unit: Health Sciences

Program: Medical Radiology

Option:

**MRAD 1104**

***Radiographic Anatomy and Physiology***

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### Effective Date

January 2001

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### Instructor(s)

Mary Filippelli

Office No.: SW3 – 4086

Phone: 6918

Office Hrs.: As Posted

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### Text(s) and Equipment

Required:

1. Principles of Anatomy and Physiology, Tortora and Anagnostakos.
2. Mosby's Pocket Dictionary of Medicine, Nursing and Allied Health.
3. C.A.M.R.T. Curriculum Guide for Radiography Programs (to be given out by program).
4. Radiographic Skeletal Anatomy, Johnson and Kennedy.
5. Radiographic Anatomy and Physiology, Student Manual.

Recommended:

(as listed for C.A.M.R.T. exam validation)

1. Basic Physiology and Anatomy, Chaffee and Lytle.
2. Atlas of Human Cross-Sectional Anatomy, Cahill and Orland.
3. The Anatomy Coloring Book, Kapit and Elson.

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### Course Notes (Policies and Procedures)

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### Assignment Details

**MRAD 1104**  
**Radiographic Anatomy and Physiology**

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