



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline **Part A**

**MRAD 2204**

**Radiographic Anatomy and Physiology**

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<b>Hours/Week:</b>	4	<b>Total Hours:</b>	32	<b>Term/Level:</b>	2
<b>Lecture:</b>	2	<b>Total Weeks:</b>	15	<b>Credits:</b>	2
<b>Lab:</b>	2				
<b>Other:</b>					

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### Prerequisites

### MRAD 2204 is a Prerequisite for:

Course No.	Course Name	Course No.	Course Name
BHSC 1113	Basic Anatomy and Physiology	MRAD 3304	Radiographic Anatomy and Physiology
MRAD 1104	Radiographic Anatomy and Physiology		

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### Course Goals

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

1. describe structure, function and relative positions of all the organs in the body.
  2. locate all the organs using surface landmarks.
  3. relate changes in organ position to changes in body position.
  4. recognize and relate variations in organ locations based on bodily habitus.
  5. trace the route of contrast media absorption for all common radiographic procedures.
  6. identify on radiographs all of the body organs including both contrast and noncontrast procedures.
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### Course Description

During Level 2 of this course the lecture and laboratory material will cover all of the organs in the human body. Emphasis will be placed on location, landmarks and radiographic identification and application. Identification of organs with contrast/no contrast and cross-sectional anatomy will also be stressed.

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### Evaluation

Weekly Quiz	10%	The pass mark for all subjects in the Medical Radiography program is 60%.
Midterm: Lecture/Lab	45%	
Final: Lecture/Lab	45%	
<b>TOTAL</b>	<u>100%</u>	

## Course Outcomes and Sub-Outcomes

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### Course Record

Developed by: Ann McMillen, MRAD  
Instructor Name and Department (signature)

Date: September, 1995

Revised by: Mary Filippelli  
Instructor Name and Department (signature)

Date: July, 1998

Approved by: Lawrence Parisotto  
Associate Dean / Program Head (signature)

Start Date: September, 1998



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline **Part B**

**MRAD 2204**

**Radiographic Anatomy and Physiology**

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**Effective Date**

September, 1997

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**Instructor(s)**

Mary Filippelli

Office No.: 4084

Phone: 8743

Office Hrs.: Open

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**Text(s) and Equipment**

**Required:**

*Principles of Anatomy and Physiology*, Tortora and Anagnostakos

*Radiographic Anatomy and Physiology*, A. McMillen, 1998

*CAMRT Curriculum Guide for Radiography Programs*

*The Anatomy Coloring Book*, Kapit and Elson

**Recommended:**

(As listed for CAMRT exam validation)

*Basic Physiology and Anatomy*, Chaffee and Lytle

*Atlas of Human Cross Sectional Anatomy*, Cahill and Orland



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Schedule

School of «Health Sciences»

Program: «Medical Radiography»

Option: «Option»

**MRAD 2204**

**«Radiographic Anatomy and Physiology»**

Week	Sets	Date	Lecture	Laboratory
1	All	Sept 8	Ribs, Sternum, Trachea, Pharynx/Larynx Urinary	Ribs, Sternum, Trachea, Pharynx/Larynx
2	All	Sept 15	G. I. System G.I. Systems	Urinary System
3	All	Sept 22	Biliary System Spleen, Liver, Pancreas	G.I. System
4	All	Sept 29	Biliary System Cont'd	Biliary System, Liver, Pancreas Reproductive System
5	All	Oct 6	Lab Review and Catch up	<b>Midterm (Combined Lecture/Lab)</b>
6	A/C	Oct 13	Lymphatic and Cardiovascular Systems	Lymphatic and Cardiovascular Systems
7	B/D	Oct 20	Lymphatic and Cardiovascular Systems	Lymphatic and Cardiovascular Systems
8	A/C	Oct 27	Lymphatic and Cardiovascular Systems	Lymphatic and Cardiovascular Systems
9	A/C	Nov 3	Nervous System	Nervous System
10	B/D	Nov 10	Lymphatic and Cardiovascular Systems	Lymphatic and Cardiovascular Systems
11	B/D	Nov 17	Nervous System	Nervous System
12	A/C	Nov 24	Nervous System	Nervous System
13	B/D	Dec 1	Nervous System	Nervous System
14	All	Dec 7	<b>FINAL EXAM WEEK</b>	