



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Laboratory Technology

Option:

Course Outline Part A

MRAD 2204 Radiographic Anatomy and Physiology

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

Prerequisites

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

MRAD 2204 is a Prerequisite for:

Course No.: MRAD 3304
 Course Name: Radiographic Anatomy and Physiology

Course Record

Developed by:	_____	Date:	_____
	Instructor Name and Department		
Revised by:	_____	Date:	_____
	Instructor Name and Department		
Approved by:	<u>Ann McMullen</u>	Start Date:	<u>Sept 95</u>
	Associate Dean / Program Head		

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.

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 radiographic procedures.
6. identify on radiographs all of the body organs including both contrast and noncontrast procedures.

Evaluation

Final Examination	40%	The pass mark for all subjects in the Medical Radiography program is 60%.
Mid-Term	25%	
Mid-Term Lab	15%	
Final Lab	20%	
TOTAL	100%	

Course Outcomes and Sub-Outcomes



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Course Outline Part B

**MRAD 2204 Radiographic Anatomy
and Physiology**

Effective Date

June, 1995

Instructor(s)

Ms. Ann McMillen

Office No.: 4086

Phone: 8743

Office Hrs.: Open

Text(s) and Equipment

Required:

Principles of Anatomy and Physiology, Tortora and Anagnostakos

Radiographic Anatomy and Physiology, A. McMillen, 1993

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

Course Notes (Policies and Procedures)

Assignment Details



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Schedule

MRAD 2204 Radiographic Anatomy and Physiology

Week	Sets	Date	Lecture	Lab
2	All	Sept. 11 Sept. 12	Urinary System Urinary System	No Lab
3	All	Sept. 18 Sept. 19	G.I. System G.I. System	Urinary System
4	All	Sept. 25 Sept. 26	Biliary System Spleen/Liver/Pancreas	G.I. System
5	All	Oct. 2 Oct. 3	Lymphatic and Cardiovascular Systems	Biliary/Spleen/Liver Pancreas
6	All	Oct. 9 Oct. 10	Thanksgiving Review	Lymphatic and Cardiovascular System
7	A/C	Oct. 16	MID-TERM	Nervous System
8	A/C	Oct. 23	Reproductive System	MID-TERM
9	B/D	Oct. 30	MID-TERM	Reproductive System
10	B/D	Nov. 6	Reproductive System	MID-TERM
11	A/C	Nov. 14	Remembrance Day	Remembrance Day
12	A/C	Nov. 20	Nervous System	FINAL
13	B/D	Nov. 27	Nervous System	Nervous System
14	B/D	Dec. 4	Review	FINAL EXAM
15	All	Dec. 11	FINAL EXAM WEEK	FINAL EXAM WEEK