



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline

MRAD 2214

Radiographic Anatomy and Physiology

Start Date: September, 2001

End Date: December, 2001

Course Credits: 2

Term/Level: 2

Total Hours: 28

Total Weeks: 7

Hours/Week: 4

Lecture: 2

Lab: 2

Shop:

Seminar:

Other:

Prerequisites

Course No. Course Name

BHSC 1113 Basic Anatomy and Physiology

MRAD 1104 Radiographic Anatomy and Physiology

MRAD 2214 is a Prerequisite for:

Course No. Course Name

MRAD 3314 Radiographic Anatomy and Physiology

Course Calendar Description

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

Course Goals

1. describe structure, function and relative positions of organs in the body and structures of the cranium.
2. locate internal structure 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. identify on radiographs body organs including both contrast and noncontrast procedures.
6. identify major structures displayed on sectional images.

Evaluation

Weekly Quiz	20%
Midterm: Lecture/Lab	40%
Final: Lecture/Lab	40%
TOTAL	100%

The pass mark for all subjects in the Medical Radiography program is 60%.

Course Learning Outcomes/Competencies

Course Content Verification

I verify that the content of this course outline is current, accurate, and complies with BCIT Policy.

Program Head/Chief Instructor

Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.



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Instructor(s)

Mary Filippelli

Office No.: 4086

Office Hrs.: Open

Office Phone: 604-451-6918

E-mail Address:

Learning Resources

Required:

Principles of Anatomy and Physiology, Tortora and Anagnostakos

Radiographic Anatomy and Physiology, (manual)

CAMRT Curriculum Guide for Radiography Programs

Recommended:

(As listed for CAMRT exam validation)

Basic Physiology and Anatomy, Chaffee and Lytle

Atlas of Human Cross Sectional Anatomy, Cahill and Orland

The Anatomy Coloring Book, Kapit and Elson

BCIT Policy Information for Students

Assignment Details



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Medical Radiography Program

MRAD 2214
Radiographic Anatomy and
Physiology

	WEEK OF	SET	LECTURE	LAB
1	Sept 3	C/D	Labor Day Trachea, Pharynx/Larynx	Trachea, pharynx/larynx
2	Sept 10	A/B	G. I. System Trachea, Pharynx/Larynx	Trachea, Pharynx/Larynx G.I. System
3	Sept 17	C/D	G.I. System	Shinearama Day
4	Sept 24	C/D	Urinary System	G. I System
5	Oct 1	A/B	G.I. System Urinary System	G.I. System
6	Oct 8	A/B	Thanksgiving Day Urinary System	Urinary System
7	Oct 15	C/D	Biliary System (Spleen, Liver, Pancreas, Gallbladder)	Urinary System
8	Oct 22	A/B	Biliary System (Spleen, Liver, Pancreas, Gallbladder)	MIDTERM
9	Oct 29	C/D	Biliary System (Spleen, Liver, Pancreas, Gallbladder)	MIDTERM
10	Nov 5	C/D	Biliary System (Spleen, Liver, Pancreas, Gallbladder)	Biliary System (Spleen, Liver, Pancreas, Gallbladder)
11	Nov 12	A/B	Remembrance Day Biliary System (Spleen, Liver, Pancreas, Gallbladder)	Biliary System (Spleen, Liver, Pancreas, Gallbladder)
12	Nov 19	A/B	Biliary System (Spleen, Liver, Pancreas, Gallbladder)	Biliary System (Spleen, Liver, Pancreas, Gallbladder)
13	Nov 26	C/D	REPRODUCTIVE	REPRODUCTIVE
14	Dec 3	A/B	REPRODUCTIVE	REPRODUCTIVE
15	Dec 10	ALL	FINAL EXAM	