



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part A

School of Health Sciences
Program: Medical Radiography
Option:

MRAD 3304
Radiographic Anatomy & Physiology

Hours/Week:	3	Total Hours:	22.5	Term/Level:	3
Lecture:		Total Weeks:	15	Credits:	1.5
Lab:					
Other:					

Prerequisites

MRAD 3304 is a Prerequisite for:

Course No.	Course Name
MRAD 2204	

Course No.	Course Name
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Course Goals

To provide students with a thorough knowledge of human skull anatomy. Radiographic cross-sectional representation of human anatomy is also covered.

Course Description

During Level 3 of this course the lecture and laboratory material will cover the skull and related structures in detail plus radiographically significant landmarks and lines. Emphasis will be placed on relating the anatomy to the positioning techniques required for good skull radiography. Also, covered during this time will be basic cross-sectional anatomy of the head, thorax and abdomen.

Evaluation

Final Examination (No less than 40%)	45%
Mid Term (No less than 40%)	45%
Assignments (No more than 20%)	10%
TOTAL	100%

Note: The Pass Mark for this Course is 60%.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline *Part B*

School of Health Sciences

Program: Medical Radiography

Option:

MRAD 3304

Radiographic Anatomy and Physiology

Effective Date

1996

Instructor(s)

Dori Kaplun

Office No.: SW3-4084

Phone: Local 5750

Home 980-8173

Office Hrs.: As Posted

Text(s) and Equipment

Required:

- Radiographic Skeletal Anatomy, Johnson and Kennedy
- Principles of Anatomy and Physiology, Tortora and Anagnostakos
- C.A.M.R.T. Curriculum Guide for Radiography Programs.
- MRAD 3304 — Radiographic Anatomy Course Manual.

Recommended:

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

- The Anatomy Coloring Book, Kapit and Elson
- Basic Physiology and Anatomy, Chafee and Lytle

Course Notes (Policies and Procedures)

Assignment Details

Course Outcomes and Sub-Outcomes

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

1. Identify the bony components of the human skull as demonstrated on radiographs.
2. Select appropriate skull positioning based on varying skull types.
3. Select the appropriate positioning that would demonstrate specific skull anatomy.
4. Locate all the radiographically significant surface landmarks of the human skull.
5. Describe the radiographically significant localizing lines used in skull positioning.
6. Identify human anatomical structures as shown on cross-sectional radiographs, including:
 - a. skull
 - b. chest and thorax
 - c. abdomen/spine
 - d. pelvis

Course Record

Developed by: _____ Date: _____
Instructor Name and Department (signature)

Revised by: Kaplan _____ Date: Dec '95
Instructor Name and Department (signature)

Approved by: _____ Start Date: _____
Associate Dean / Program Head (signature)



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Schedule

MRAD 3304

Radiographic Anatomy & Physiology

SETS	RADIOGRAPHIC A & P LECTURES	SETS
A/C	RADIOGRAPHIC A & P LABS	B/D
Date	TOPIC	Date
Jan 9	Frontal, Parietal, Occipital & Temporal Bones	Jan 23
Jan 11	Skull Landmarks & Classifications Frontal Parietal & Occipital	Jan 25
Jan 16	Sphenoid, Ethmoid & Maxilla Bones	Jan 30
Jan 18	Temporal, Sphenoid, & Ethmoids	Feb 1
Feb 6	Mandible, Lacrimal, Orbits	Feb 20
Feb 8	Facial Bones 1	Feb 22
Feb 13	Palatine, Zygomatic, Nasal, Lacrimal, Vomer Bones Inferior, Nasal, Conchas	Feb 27
Feb 15	Facial Bones	Feb 29
Mar 5	JUDGEMENT and FEEDBACK	Mar 26
Mar 7	MIDTERM	Mar 28
Mar 19	Cross-Sectional Review	Apr 2
Mar 21	Cross-Section	Apr 4
Apr 9	Review	Apr 16
Apr 11	TBA	Apr 18
	Spring Break — March 11 –15	