



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline Part A

MRAD 3304

Radiographic Anatomy & Physiology

Hours/Week:	3	Total Hours:	21	Term/Level:	3
Lecture:		Total Weeks:	7	Credits:	1.5
Lab:					
Other:					

Prerequisites

MRAD 3304 is a Prerequisite for:

Course No.	Course Name
MRAD 2204	

Course No.	Course Name
	Clinical Level 4

Course Goals

To provide students a thorough knowledge of human skull and radiographic cross-sectional anatomy.

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	45%
Midterm	35%
Assignment/Quiz	20%
TOTAL	100%

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

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

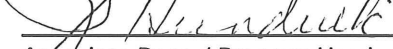
Course Record

Developed by: 
Instructor Name and Department (signature)

Date: Dec 1994

Revised by: 
Instructor Name and Department (signature)

Date: Dec 1996

Approved by: 
Associate Dean / Program Head (signature)

Start Date: Jan 1997



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

1997

Instructor(s)

Dori Kaplun

Office No.: SW3-4084

Phone: Local 5750

Home 980-8173

Office Hrs.: Tuesday, Wednesday, Thursday

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
- Cross-sectional texts

Course Notes (Policies and Procedures)

Assignment Details

Details to follow.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Schedule

School of Health Sciences

Program: Medical Radiography

Option:

MRAD 3304

Radiographic Anatomy & Physiology

SETS	RADIOGRAPHIC A & P LECTURES	SETS
A/C	RADIOGRAPHIC A & P LABS	B/D
Date	TOPIC	Date
Jan. 7	Frontal, Parietal and Occipital Bones	Jan. 21
Jan. 9	Skull Landmarks and Classifications / Cross-section A1 – A5 Frontal, Parietal and Occipital	Jan. 23
Jan. 14	Temporal, Sphenoid and Ethmoid Bones	Jan. 28
Jan. 16	Temporal, Sphenoid and Ethmoids / Cross-section A6 – A10	Jan. 30
Feb. 4	Maxilla, Mandible and Lacrimal Bones	Feb. 18
Feb. 6	Facial Bones / Cross-section P1 – P6	Feb. 20
Feb. 11	Zygomatic, Nasal, Lacrimal Bones and Orbits	Feb. 25
Feb. 13	Facial Bones / Cross-section P7 – P12	Feb. 27
Mar. 4	Inferior Nasal Concha, Palantine and Vomer Bones	Mar. 18
Mar. 6	MIDTERM	Mar. 20
Apr. 1	JUDGEMENT AND FEEDBACK	Mar. 25
Apr. 3	Thoracic Cross-Section	Mar. 27
Apr. 8	Cross-Section Review	Apr. 15
Apr. 10	Skull Cross-Section	Apr. 17
	Spring Break — March 10–14 Exam Week — April 21–25	