



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part A

School of Health Sciences

Program: Medical Radiography

Option:

MRAD 3303

Radiographic Technique and Evaluation

Hours/Week:	3	Total Hours:	24	Term/Level:	3
Lecture:		Total Weeks:	8	Credits:	1.5
Lab:					
Other:					

Prerequisites

MRAD 3303 is a Prerequisite for:

Course No. Course Name

Course No. Course Name

MRAD 2201

MRAD 2203

Course Goals

- This course directs students to evaluate the diagnostic acceptability of skull and biliary system radiographs. This is based on anatomy, positioning, exposure factors and processing

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

1. Evaluate sample radiographs of basic and specialized views of the human skull and biliary system for diagnostic acceptability based on:
 - a. inclusion of all required structures.
 - b. demonstration of correct positioning
 - c. appropriate density and contrast.
2. Assess main contributing factors to the overall radiographic image quality based on:
 - a. appropriate technique factors
 - b. body habitus of patient involved.
3. Propose possible solutions to poor radiographic quality.
4. Outline the geometric effects on radiographs.
5. Discuss the formulas and relationship of the principles of radiography as they apply to mA, time, KV and distance.

Course Description

A discussion of appropriate technical factors together with the application of imaging theory will occur for each of the appropriate areas.

In the lab situation, students will review and critique, on an individual basis, all aspects of skull radiography. Emphasis will be placed on technical quality and diagnostic acceptability.

Lecture: Tuesdays at 15:30 - 16:30

Lab: Wednesdays at 14:30 - 16:30

Evaluation

Final Examination	50%
Mid-Term	40%
Term Quizzes	10%
TOTAL	100%

Course Outcomes and Sub-Outcomes

Course Record

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

Revised by: _____ Date: _____
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:

Course Outline Part B

MRAD 3303

Radiographic Technique and Evaluation

Effective Date

January, 1996

Instructor(s)

Gisela Paches

Office No.: SW3-4084

Phone: 5750

Office Hrs.: As posted on door.

Text(s) and Equipment

Required:

1. Ballinger, Philip W. Merrill's Atlas of Radiographic Positions and Radiographic Procedures, Volume 2, 6th Edition.

Recommended:

Notes from MRAD 3301, 1103, 2203 and 3303.

Cullinan, Angeline M. Producing Quality Radiographs, 1987.

Course Notes (Policies and Procedures)

Assignment Details



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Schedule

MRAD 3303

Radiographic Technique and Evaluation

Set A & C	LECTURE MRAD 3303	Set B & D
Jan. 9	Introduction to Techniques	Jan. 23
Jan. 16	Basic Skull	Jan. 30
Feb. 6	Basic Skull and Sinuses	Feb. 20
Feb. 13	Mandible and Facial Bones	Feb. 27
Mar. 5	Review Mandible, TM Joints, Zygomatic Arches	Mar. 26
Mar. 19	Sella Turcica, Orbits, Nasal Bones	Apr. 2
Apr. 9	Skull Techniques	Apr. 16
Apr. 22	EXAM WEEK	Apr. 22

Set A & C	LAB MRAD 3303	Set B & D
Jan. 10	Radiographic Landmarks and Lines	Jan. 24
Jan. 17	Basic Skull	Jan. 31
Feb. 7	Basic Skull and Sinuses	Feb. 21
Feb. 14	MID TERM	Feb. 28
Mar. 6	Mandible, TM Joints, Facial Bones, Zygomatic Arches	Mar. 27
Mar. 20	Sella Turcica, Orbits, Nasal Bones	Apr. 3
Apr. 10	Review	Apr. 17
Apr. 22	EXAM WEEK	Apr. 22