BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

COURSE OUTLINE

COURSE NAME *Radiographic Technique and Evaluation*

COURSE NUMBER *MRAD 3303* | DATE *January 1995*

Prepared by *M. Filippelli, R.T.R.* | Taught to *Level 3* Year

School *Health Sciences* | School *Health Sciences*

Program *Medical Radiography* | Program *Medical Radiography*

Date Prepared *December 1994* | Option

Term *3* Hrs/Wk *3* Credits *1.5*

No. of Weeks *8* Total Hours *24*

Instructor(s) *Gisela Paches* Office *SW3-4084* Local *5750*

Office Hours *As posted on door.*

PREREQUISITES MRAD 201 and 203.

COURSE OBJECTIVES

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

1. Discriminate between those radiographs which are acceptable and those which are unacceptable due to poor positioning, underexposure or overexposure and poor definition.
2. Critique radiographs for technical quality and diagnostic acceptability.
3. Discuss appropriate use of technical factors.
4. Identify on radiographs, the pertinent radiographic anatomy.

EVALUATION

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

REQUIRED TEXT(S) AND EQUIPMENT

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

REFERENCE TEXTS AND RECOMMENDED EQUIPMENT

Notes from MRAD 3301, 1103, 2203 and 3303.

Cullinan, Angeline M. Producing Quality Radiographs, 1987.

COURSE SUMMARY

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

COURSE OUTLINE
(continued)

Set A & C	MRAD 3303	Set B & D
Lecture 1	Biliary	Lecture 1
Lecture 2	Geometric Fallacies in Radiography	Lecture 2
Lecture 3	Basic Skull and Techniques	Lecture 3
Lecture 4	Formulas Applied to Principles of Radiography	Lecture 4
Feb. 15 (Lab)	**MID TERM**	Mar. 1 (Lab)
Lecture 5	Sinuses, Facial, Nasal Bones	Lecture 5
Lecture 6	Sella Turcica, Mandible, TMJs	Lecture 6
Lecture 7	Mastoids, IACs, Zygomatic Arches	Lecture 7
April 24	**EXAM WEEK**	April 24