



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography Technology

Option:

Course Outline Part A

MRAD 3305

Case Studies

Hours/Week:	3	Total Hours:	27	Term/Level:	3
Lecture:		Total Weeks:	9	Credits:	1
Lab:					
Other:					

Prerequisites

MRAD 3305 is a Prerequisite for:

Course No. Course Name

Course No. Course Name

Course Goals

To assist the student to integrate the content from all the program courses taken to this point while focusing on a radiographic case study. The discussions are also intended to develop or improve critical thinking, problem-solving and communication skills.

Course Description

The course will examine issues and concerns related to the application of knowledge of anatomy and physiology, positioning, patient care, pathology, radiation protection, equipment, technique and other areas of concern in the solution of real life problems in medical radiography using selected case studies in chest, abdomen, extremity, pelvic, urinary and vertebral radiography. Course readings, writing assignments, seminar discussions and exam questions will be used to develop and evaluate the skills.

In addition, this course is designed to provide the bridge between classroom theory and clinical work through group discussions and presentations and allow the student the opportunity to develop critical thinking and problem-solving skills.

Evaluation

Final Examination	40%
Mid Term Exam	30%
Participation & Team Work	20%
Term Project	10%
TOTAL	100%

Course Outcomes and Sub-Outcomes

1. Apply factual knowledge to the solution of problems in medical radiography given a concrete situation.
2. Use critical thinking and problem-solving skills to provide creative and alternative explanation of and/or solutions to selected case studies in medical radiography.
3. Justify recommended action when solving real life issues in medical radiography.
4. Work effectively in a team environment.

Course Record

Developed by: Shirley Hundvik, R.T., M.Ed. Date: _____
Instructor Name and Department (signature)

Revised by: Shirley Hundvik, R.T., M.Ed. Date: _____
Instructor Name and Department (signature)

Approved by: Shirley Hundvik, R.T., M.Ed. Start Date: _____
Associate Dean / Program Head (signature)



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography Technology

Option:

Course Outline Part B

MRAD 3305

Case Studies

Effective Date

January to April 1997

Instructor(s)

Mary Filippelli, R.T.R.

Office No.: SW3 - 4084

Office Hrs.: As Posted

Phone: Local 5750

Text(s) and Equipment

Required:

Hundvik, Shirley. *Case Studies*, MRAD 3305.

Recommended:

Cullinan, Cullinan. *Producing Quality Radiography*. 2nd Edition, Lippincott Company.

Carlton, Adler. *Principles of Radiographic Imaging*.

Course Notes (Policies and Procedures)

See manual.

Assignment Details

See manual.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography Technology

Option:

Schedule

MRAD 3305

Case Studies

Week of/ Number	Sets	Topic
Jan. 6 Jan. 20	B/D A/C	Case #1 – Lower Extremity
Jan. 13 Jan. 27	B/D A/C	Case #2 – Lower GI
Feb. 3 Feb.24	B/D A/C	Case #3 – Lower GI
Feb. 10 Mar. 3	B/D A/C	MID TERM EXAM
Mar. 10	B/D A/C	SPRING BREAK
Mar. 31 Mar. 17	B/D A/C	Case #4 – Urinary - IVP
Apr. 7 Mar. 24	B/D A/C	Case #5 – Trauma - Skull GOOD FRIDAY
Apr. 14	A/C	Case #5 – Trauma - Skull
Apr. 21	B/C A/C	FINAL EXAM WEEK