

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences Program: Medical Radiography Technology Option: Course Outline Part A

MRAD 3305 Case Studies

Hours/Week: Lecture: Lab: Other:	3	Total Hours: Total Weeks:	24 8	Term/L Credits	
Prerequisites		MRAD 3305 is a Prerequisite for:			
Course No.	Course Name	Course	No.	Course Name	
Successful completion of Level 2				Clinical Level 4	

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 problemsolving skills.

Evaluation

Final Examination	40%
Mid Term Exam	30%
Participation & Team Work	30%
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.

The course outcomes and suboutcomes correspond with the following competency profiles of the CAMRT

- A1 Utilize the request for consultation
- A2 Prepare the room for radiographic imaging procedures
- A3 Prepare the patient
- A4 Position the patient
- A5 Operate imaging equipment
- A6 Process images
- A7 Critique images and implement corrective measures
- A8 Complete post-procedural tasks
- B1 Protect the patient
- B2 Protect the technologist
- B3 Protect others required to be present during the procedure
- B4 Monitor personal radiation exposure
- C1 Ensure patient safety
- C2 Establish patient trust and confidence
- C3 Attend to the patient's physical comfort and needs
- C4 Perform patient care duties
- C5 Assist in the administration of contrast media and other drugs
- C6 Ensure the confidentiality of patient information

Course Record

Developed by:	Shirley Hundvik, R.T., M.Ed. Instructor Name and Department	(signature)	Date:
Revised by:	Dori Kaplun ACR, M.Ed. Instructor Name and Department	(signature)	Date:
Approved by:	<u>Shirley Hundvik, R.T., M.Ed.</u> Associate Dean / Program Head	(signature)	Start Date:

- D1 Monitor and maintain processing equipment and facilities
- D2 Monitor radiographic equipment
- D3 Perform quality control tasks
- E1 Function within legal and ethical guidelines
- E2 Demonstrate professional behavior
- E3 Demonstrate professional responsibility



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 1999

Instructor(s)

Dori Kaplun, ACR, M.Ed.	Office No.: Office Hrs.:	Phone:	432-8743

Text(s) and Equipment

Required:

Hundvik, Shirley. Case Studies, MRAD 3305.

Recommended:

Buschong, Stewart. Radiologic Science for Technologists.

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

Carlton, Adler. Principles of Radiographic Imaging.

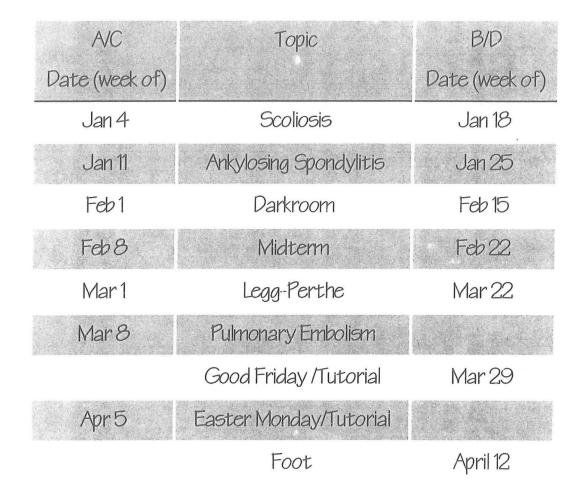
Internet

Course Notes (Policies and Procedures)

See manual.

Assignment Details

Case Studies Schedule 1999



Spring break March 15-19

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