



A POLYTECHNIC INSTITUTION

School of Health Sciences  
Program: Medical Radiography TechnologyMRAD 2215  
Case Studies**Start Date:** September, 2006**End Date:** December, 2006**Total Hours:** 20    **Total Weeks:** 10**Term/Level:** 2    **Course Credits:** 1**Hours/Week:**    **Seminar:** 2**Prerequisites****Course No.**    **Course Name**

Level 1    All Courses

**MRAD 2215 is a Prerequisite for:****Course No.**    **Course Name**

Level 3    All Courses

**Course Description**

This course is designed to provide a bridge between classroom theory and clinical work through group discussions and presentations. Students will research selected case studies that examine issues and concerns related to the solutions of real problems in medical radiography, and apply their knowledge of anatomy and physiology, positioning, patient care, pathology, radiation protection, equipment, techniques, ethics and other areas to fellow students through presentations. Through seminar discussions and peer feedback, students will be provided the opportunity to enhance their critical thinking, problem-solving and communication skills.

**Course Learning Outcomes/Competencies**

The goals of the course are to assist the student in integrating the content from all the program courses as well as applying research skills while focusing on a radiographic case study. The discussions and peer feedback are also intended to develop or improve critical thinking, teamwork and communication skills.

Upon successful completion, the student will be able to:

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 issues in medical radiography.
4. work effectively in a team environment.
5. communicate ideas and knowledge clearly to fellow classmates.
6. participate coherently in classroom discussions.
7. provide feedback to peers in a thoughtful and non-threatening manner.

The course outcomes correspond with the published competency profiles of the CAMRT.

**Assignment Details**

An optional assignment is available for students to complete. See online case studies information (<http://online.bcit.ca> or via [www.mybcit.ca](http://www.mybcit.ca)).





Medical Radiography  
Case Studies  
September-December 2006

DATE	SETS	INSTRUC TOR	TOPIC
Sept 7 Sept 8	A/B C/D	Dori	Course Outline and Overview of Case Studies overview of clinical objectives
Sept 14 Sept 15	A/B C/D	Dori and Librarian	Library Orientation preview of L Spine case study, question assignment
Sept 21 Sept 22	A/B C/D	Dori Val	Video on peer learning Lumbar Spine and peer feedback
Sept 28 Sept 29	A/B C/D	Val Dori	Abdomen
Oct 5 6	D C		Talus
Oct 12 13	D C		Hip
Oct 19 20	D C		Midterm first hour – review during 2 <sup>nd</sup> hour
Oct 26 27	D C		Enema
Nov 2 3	D C		Small Bowel
Nov 9 10	B A		Talus
Nov 16 17	B A		Hip
Nov 23 24	B A		Midterm first hour – review during 2 <sup>nd</sup> hour
Nov 30 Dec 1	B A		Enema
Dec 7 8	B A		Small Bowel
Dec 12-16			Exam Week