

#### A POLYTECHNIC INSTITUTION

School of Health Sciences
Program: Medical Radiography Technology

MRAD 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 MRAD 2215 is a Prerequisite for:

Course No. Course Name Course No. Course Name

Level 1 All Courses 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 of 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, student's 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 (<a href="http://online.bcit.ca">http://online.bcit.ca</a> or via www.mybcit.ca).

#### **Evaluation**

A pass mark of 65% is required to be achieved in order to successfully complete mrad 3315. The midterm and final exams must have an average minimum grade of 65% in order to succeed in this course.

Final Examination	40%	Optional assignment worth 2%
Midterm Exam	30%	
Participation / presentation and research	20%	
Peer assessment / feedback	10%	
TOTAL	100%	

### Verification

I verify that the content of this course outline is current.

Dori Kaplun-\Authoring Instructor

aug 28/06

I verify that this course outline has been reviewed.

Date

I verify that this course outline complies with BCIT policy.

Allen Billy - Dean/Associate Dean

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.

# Instructor(s)

Dori Kaplun, ACR, MED

Office Location: SW3-4084

Office Phone:

**Local 8743** 

Office Hrs.: As posted

E-mail Address: dori kaplun@bcit.ca

## **Learning Resources**

Required:

Case Studies Information MRAD 2215 - available online through WebCT

Recommended:

**Current Journals** 

Radiological Texts

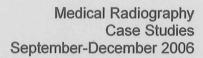
Internet (valid internet sites only such as government, universities, hospitals, professional medical organization etc.)

### Information for Students

All institute policies are available for review at http://www.bcit.ca/about/administration/policies.shtml.

Ethics: BCIT assumes that all students attending the Institute will follow a high standard of ethics. Incidents of cheating or plagiarism may, therefore, result in a grade of zero for the assignment, quiz, test, exam, or project for all parties involved and/or expulsion from the course.

Attendance: The attendance policy as outlined in the current BCIT Calendar will be enforced. Attendance will be taken at the beginning of each session. Students not present at that time will be recorded as absent and will not receive marks for participation for that class.





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	D C		Talus	
Oct 12 13	D C		Hip	
Oct 19 20	D C	7.74	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		Talus	
Nov 16 17	B A		Hip	
Nov 23 24	В		Midterm first hour – review during 2 <sup>nd</sup> hour	
Nov 30 Dec 1	B A		Enema	
Dec 7	B A		Small Bowel	
Dec 12-16			Exam Week	