



A POLYTECHNIC INSTITUTION

School of Health Sciences

Program: Medical Radiography Technology

Option:

MRAD 2215
Case Studies**Start Date:** September, 2004**End Date:** December, 2004**Total Hours:** 16 **Total Weeks:** 8**Term/Level:** 2 **Course Credits:** 1**Hours/Week:** **Seminar:** **Lab:****Shop:** **Seminar:** **Other:**
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

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, ethics and other areas of concern in the solution of real life problems in medical radiography using selected case studies. 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.

■ 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 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.

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

A1 Utilize the request for consultation	C1 Ensure patient safety
A2 Prepare the room for radiographic imaging procedures	C2 Establish patient trust and confidence
A3 Prepare the patient	C3 Attend to the patient's physical comfort and needs
A4 Position the patient	C4 Perform patient care duties
A5 Operate imaging equipment	C5 Assist in the administration of contrast media and other drugs
A6 Process images	C6 Ensure the confidentiality of patient information
A7 Critique images and implement corrective measures	D1 Monitor and maintain processing equipment and facilities
A8 Complete post-procedural tasks	D2 Monitor radiographic equipment
B1 Protect the patient	D3 Perform quality control tasks
B2 Protect the technologist	E1 Function within legal and ethical guidelines
B3 Protect others required to be present during the procedure	E2 Demonstrate professional behaviour
B4 Monitor personal radiation exposure	E3 Demonstrate professional responsibility

■ **Assignment Details**

See online cases (<http://online.bcit.ca>).

■ **Evaluation**

Final Examination	40%	Optional assignment worth 2%
Midterm Exam	30%	
Term Work	30%	
participation and research 25%		
teamwork 5%		
TOTAL	100%	

■ **Verification**

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

_____ Dori Kaplun Authoring Instructor	_____ Date
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I verify that this course outline has been reviewed.

_____ Program Head/Chief Instructor	_____ Date
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I verify that this course outline complies with BCIT policy.

_____ Dean/Associate Dean	_____ Date
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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 Manual MRAD 3315 – available online

Recommended:

Current Journals
Radiological Texts
Internet

Examples of internet sites:

http://www.onhealth.com	http://www.americasdoctor.com	http://www.surgerydoor.co.uk
http://www.webmd.com	http://www.drugdigest.com	http://www.netdoktor.com
http://www.healthcentral.com	http://www.health-center.com	http://www.meddean.luc.edu/lumen/index.html
http://www.adam.com	http://www.allhealth.com	http://www.rad.washington.edu/
http://www.healthatoz.com	http://www.drkoop.com	http://www.vh.org/
http://www.discoveryhealth.com	http://www.medbroadcast.com	http://www.medscape.com/radiologyhome
http://www.mylifepath.com	http://www.askdrbob.com	http://www.personalmd.com
http://www.intelihealth.com	http://www.nhsdirect.nhs.uk	http://www.realage.com
http://www.healthanswers.com	http://www.medicines.org.uk/	http://www.Adam.com
http://www.accenthealth.com		http://www.canadian-health-network.ca/

■ Information for Students

Assignments: Late assignments, lab reports or projects will **not** be accepted for marking. Assignments must be done on an individual basis unless otherwise specified by the instructor.

Makeup Tests, Exams or Quizzes: There will be **no** makeup tests, exams or quizzes. If you miss a test, exam or quiz, you will receive zero marks. Exceptions may be made for **documented** medical reasons or extenuating circumstances. In such a case, it is the responsibility of the student to inform the instructor **immediately**.

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.

Illness: A doctor's note is required for any illness causing you to miss assignments, quizzes, tests, projects, or exam. At the discretion of the instructor, you may complete the work missed or have the work prorated.

Course Outline Changes: The material or schedule specified in this course outline may be changed by the instructor. If changes are required, they will be announced in class.

See manual.