



Course Outline

A POLYTECHNIC INSTITUTION

School of Health Sciences

Program: Medical Radiography Technology

Option:

MRAD 3315
Case Studies

Start Date: January, 2003

End Date: April, 2003

Total Hours: 16 **Total Weeks:** 8

Term/Level: 3 **Course Credits:** 1.0

Hours/Week: 2 **Lecture:** **Lab:**

Shop: **Seminar:** 2 **Other:**

Prerequisites

MRAD 3315 is a Prerequisite for:

Course No. Course Name

Course No. Course Name

Successful completion of Level 2

Clinical Level 4

■ **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.

■ **Course Learning Outcomes/Competencies**

The goals of the course are 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.

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 real life 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 web posting.

■ Evaluation

Final Examination	40%	Optional: Case Study Presentation, 5%
Midterm Examination	30%	
Participation and Team Work	30%	
TOTAL	100%	

■ Verification

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

Authoring Instructor

Date

I verify that this course outline has been reviewed.

Program Head/Chief Instructor

Date

I verify that this course outline complies with BCIT policy.



Dean/Associate Dean

 12 2003

Date

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

■ Instructor(s)

Dori Kaplun, ACR, M.Ed.	Office	SW3-4084	Office Phone:	604-432-8743
	Location:			
	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.