BCIT®

Course Outline

A POLYTECHNIC INSTITUTION

School of Health Sciences
Program: Medical Radiography Technology
Option:

MRAD 3315
Case Studies

Start Date: January, 2004			**End Date:** April, 2004	
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, 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 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.

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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	43%	Optional: Case Study Presentation, 5%
Midterm Examination	32%	
Participation and Team Work	25%	
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   Date

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

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Instructor(s)

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                          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.