



A POLYTECHNIC INSTITUTION

School of Health Sciences

Program: Medical Radiography Technology

Option:

MRAD 1107**Clinical Orientation****Start Date:** January, 2004**End Date:** April, 2004**Total Hours:** 42 **Total Weeks:** 15**Term/Level:** 1 **Course Credits:** 3.0**Hours/Week:** 3 **Lecture:** 2 **Lab:** 1**Shop:** **Seminar:** **Other:****Prerequisites****Course No. Course Name**

None.

MRAD 1107 is a Prerequisite for:**Course No. Course Name**

MRAD 1108 Clinical Education

■ Course Description

This course introduces basic clinical skills and theory required for MRAD 1108: Clinical Education. This course includes preparation of contrast media, radiation protection, medical terminology, emergency procedures, professional ethics and practice, and medico-legal aspects of the clinical environment in the BC Health Care system.

■ Detailed Course Description

This course is intended to prepare the student for the hospital clinical education component of the program which is scheduled during the month of May, 2004.

■ Evaluation

Quizzes	15%
Midterm Examination	25%
Contrast Preparations	10%
Final Examination	50%
TOTAL	100%

Comments: 60% is the required pass mark in this course.

■ Course Learning Outcomes/Competencies

Upon successful completion, the student will be able to:

(Each of the following statements are identified with the relevant Critical Task for Competency (CT) according to the CAMRT publication January 1997)

- | | |
|---|-----------------------|
| 1. Interpret and effectively use medical terminology. | A1 |
| 2. Identify and explain the structure and benefits of the medical radiography associations. | E1, E3 |
| 3. Discuss the provincial health care system, structure and funding allocations. | E1 |
| 4. Describe the effects of ionizing radiation on humans and identify required safety standards. | B1, B2, B3,
B4, B5 |
| 5. Identify professional and ethical conduct standards. | E1, E2, E3 |
| 6. Identify hospital emergency procedures for CPR and fire situations. | C4, C5 |
| 7. Relate medico-legal implications of practice for medical imaging technologists. | E1 |
| 8. Prepare contrast media for upper and lower gastrointestinal examinations. | C5 |
| 9. Prepare a syringe with contrast media using aseptic technique. | C5 |
| 10. Identify the main drugs used in contrast media reaction management. | C5 |

■ Verification

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

J. Doody
Authoring Instructor

Dec 19/03
Date

I verify that this course outline has been reviewed.

M. Filippelli
Program Head/Chief Instructor

Dec 17/03
Date

I verify that this course outline complies with BCIT policy.

John R. Cus
Dean/Associate Dean

Dec 18 2003
Date

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

■ Instructor(s)

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Office Hrs.: Mon-Fri – 0830-1630 E-mail Address: ldoody@bcit.ca

■ Learning Resources

Required:

- MRAD 1107 Manual – Clinical Orientation
- Clinical Education in Medical Radiology – Student Policies

Material to be distributed as required.

Recommended:

- *Merrill's Atlas of Radiographic Positions and Radiologic Procedures* (9th edition), Phillip W. Ballinger.
- *Fundamentals of Nursing Concepts and Procedures*, Kozier & Erb.
- Current journals and news articles.
- Internet Health Site references:

www.onhealth.com	www.mylifepath.com
www.webmd.com	www.intelihealth.com
www.healthcentral.com	www.healthanswers.com
www.planetrx.com	www.cbs.medscape.com
www.adam.com	www.accenthealth.com
www.healthatoz.com	www.thedailyapple.com
www.discoveryhealth.com	www.personalmd.com
www.canadian-health-network.ca/	www.americasdoctor.com
www.thedailyapple.com	www.drugdigest.com
www.health-center.com	www.health-center.com
www.allhealth.com	www.drkoop.com
www.gomez.com	

■ Information for Students

(Information below can be adapted and supplemented as necessary.)

The following statements are in accordance with the BCIT Student Regulations Policy 5002. To review the full policy, please refer to: <http://www.bcit.ca/~presoff/5002.pdf>.

Attendance/Illness:

In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with his/her instructor or Program Head or Chief Instructor, indicating the reason for the absence. Prolonged illness of three or more consecutive days must have a BCIT medical certificate sent to the department. Excessive absence may result in failure or immediate withdrawal from the course or program.

■ Information for Students (cont'd.)

Academic Misconduct:

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited and will be handled in accordance with the 'Violations of Standards of Conduct' section of Policy 5002.

Attempts:

Students must successfully complete a course within a maximum of three attempts at the course. Students with two attempts in a single course will be allowed to repeat the course only upon special written permission from the Associate Dean. Students who have not successfully completed a course within three attempts will not be eligible to graduate from their respective program.

■ Assignment Details

There are no assignments for this course.