



## Course Outline

A POLYTECHNIC INSTITUTION  
BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences  
Program: Medical Radiography Technology  
Option:

**MRAD 1107**  
**Clinical Orientation**

**Start Date:** January, 2006

**End Date:** April, 2006

**Course Credits:** 3.0

**Term/Level:** 1

**Total Hours:** 42

**Total Weeks:** 15

**Hours/Week:** 3

**Lecture:** 2

**Lab:** 1

**Shop:**

**Seminar:**

**Other:**

### Prerequisites

none

### MRAD 1107 is a Prerequisite for:

Course No.	Course Name
1108	Clinical Education

### ▪ Course Calendar Description

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, 2006.

### ▪ Evaluation

Quizzes	10%	65% is the required pass mark in this course
Midterm Examination #1	20%	
Midterm Examination #2	20%	
Contrast preparations	10%	
Final Examination	40%	
TOTAL		100%

▪ **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)

	<b>Learning Outcome</b>	<b>CT</b>
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.

\_\_\_\_\_  
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.

▪ **Instructor(s)**

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0830 - 1630

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▪ **Learning Resources**

**Required:**

- 1107 Manual – Clinical Orientation
- Clinical Education in Medical Radiography – Student Policies

Material to be distributed as required

**Recommended:**

Merrill's Atlas of Radiographic Positions and Radiologic Procedures, 9<sup>th</sup> edition, Phillip W. Ballinger

Fundamentals of Nursing Concepts & Procedures , Kozier & Erb.

Current Journals, News articles

Internet Health Site references: [www.onhealth.com](http://www.onhealth.com)  
[www.webmd.com](http://www.webmd.com)

[www.mylifepath.com](http://www.mylifepath.com)  
[www.intelihealth.com](http://www.intelihealth.com)

[www.healthcentral.com](http://www.healthcentral.com)  
[www.allhealth.com](http://www.allhealth.com)  
[www.adam.com](http://www.adam.com)  
[www.healthatoz.com](http://www.healthatoz.com)  
[www.discoveryhealth.com](http://www.discoveryhealth.com)  
[www.canadian-health-network.ca/](http://www.canadian-health-network.ca/)

[www.healthanswers.com](http://www.healthanswers.com)  
[www.personalmd.com](http://www.personalmd.com)  
[www.accenthealth.com](http://www.accenthealth.com)  
[www.drugdigest.com](http://www.drugdigest.com)  
[www.drkoop.com](http://www.drkoop.com)  
[www.americasdoctor.com](http://www.americasdoctor.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>

**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.

**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.

**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.

**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.