



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography

Option:

## Course Outline

**MRAD 1107**

**Clinical Orientation**

**Start Date:** January 4, 2000

**End Date:** April 28, 2000

**Course Credits:** —

**Term/Level:** 1

**Total Hours:** 42

**Total Weeks:** 16

**Hours/Week:**      **Lecture:** 14      **Lab:** 28      **Shop:**      **Seminar:**      **Other:**

### Prerequisites

**Course No.**    **Course Name**

None.

### 1107 is a Prerequisite for:

**Course No.**    **Course Name**

MRAD 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 medicolegal aspects of the clinical environment in the BC health care system.

### Course Goals

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.

### Evaluation

Quiz #1	20%
Quiz #2	20%
Final — Part A: Written	30%
Part B: Practical	30%
<b>TOTAL</b>	<b>100%</b>

## Course Learning Outcomes/Competencies

Upon successful completion of this course, the student will be able to:

- interpret and effectively use medical terminology.
- identify and explain the structure and benefits of the medical radiography associations.
- discuss the provincial health care system structure and detail fund allocations.
- describe effects of ionizing radiation on humans and identify required safety standards.
- identify professional and ethical conduct standards.
- identify hospital emergency procedures for CPR and fire situations.
- relate medicolegal implications of practice for medical imaging technologists.
- prepare contrast medium for an upper and lower GI exam.
- prepare a syringe with contrast media using aseptic technique.
- identify 3 main drugs for contrast media reaction management.

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## Course Content Verification

I verify that the content of this course outline is current, accurate, and complies with BCIT Policy.

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Program Head/Chief Instructor

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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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### Learning Resources

Material to be distributed.