



A POLYTECHNIC INSTITUTION
BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences
Program: Medical Radiography Technology
Option:

MRAD 1107
Clinical Orientation

Start Date: January, 2003

End Date: April, 2003

Course Credits: 3.0

Term/Level: 1

Total Hours: 42

Total Weeks: 15

Hours/Week: 3

Lecture: 1

Lab: 2

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.

▪ **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, 2003.

▪ **Evaluation**

Quizzes	15%	60% is the required pass mark in this course
Midterm Examination	25%	
Contrast preparations	10%	
Final Examination	50%	
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)

	Learning Outcome	CT
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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▪ **Learning Resources**

Required:

- 1107 Manual – Clinical Orientation
- Language Inserts
- Clinical Education in Medical Radiography – Student Policies
- Medical Dictionary –Mosby's Medical & Nursing Dictionary or Taber's 19th Edition Cyclopedic Medical Dictionary)

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 & Procedures , Kozier & Erb.

Current Journals, 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**

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.