



A POLYTECHNIC INSTITUTION

School of Health Sciences

Program: Medical Radiography Technology

Option:

MRAD 1107
Clinical Orientation

Start Date:	January, 2005	End Date:	April, 2005
Total Hours:	42	Total Weeks:	15
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**

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, 2005.

■ **Evaluation**

Quizzes	10%
Midterm Examination #1	20%
Midterm Examination #2	20%
Contrast preparations	10%
Final Examination	<u>40%</u>
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).

	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.

J. Doody
Authoring Instructor

Jan 20, 2005
Date

I verify that this course outline has been reviewed.

M. Felipelli
Program Head/Chief Instructor

Jan 20/05
Date

I verify that this course outline complies with BCIT policy.

Allen Bell
Dean/Associate Dean

Jan. 20/05
Date

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

■ **Instructor**

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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, 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.allhealth.com	www.personalmd.com
www.adam.com	www.accenthealth.com
www.healthatoz.com	www.drugdigest.com
www.discoveryhealth.com	www.drkoop.com
www.canadian-health-network.ca/	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>.

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.