



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography Technology

Option:

Course Outline

MRAD 1107 **Clinical Orientation**

Start Date: January, 2001

End Date: April, 2001

Course Credits: 3.0

Term/Level: 3

Total Hours: 42

Total Weeks: 16

Hours/Week: 3

Lecture: 1

Lab: 2

Shop:

Seminar:

Other:

Prerequisites

none

MRAD 1107 is a Prerequisite for:

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

Quizzes	15%
Midterm Examination	25%
Contrast preparations	20%
Final Examination	40%
TOTAL	100%

Course Learning Outcomes/Competencies

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 fund 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 , medicolegal 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

Course Content Verification

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

Program Head/Chief Instructor

Date

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



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School of Health Sciences
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Option:

**MRAD 1107
Case Studies**

Instructor(s)

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Learning Resources

Required:

Material to be distributed as required

Manual – Clinical Education in Medical Radiography – Student Policies (available @ mid term)

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 sites

Some Internet Health Sites are:

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	
