



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography

Option:

## Course Outline

**MRAD 3309**

**Radiographic Procedures 4**

**Start Date:** January, 2002

**End Date:** April, 2002

**Course Credits:** 1.5

**Term/Level:** 3

**Total Hours:** 20

**Total Weeks:** 16

**Hours/Week:** 2 / 1 **Lecture:** 2

**Lab:** 0

**Shop:**

**Seminar:**

**Other:**

### Prerequisites

**Course No. Course Name**

MRAD 1106 Radiographic Procedures 1  
MRAD 2206 Radiographic Procedures 2  
MRAD 1104 Radiographic Anatomy 1  
MRAD 2204 Radiographic Anatomy 2  
MRAD 1102 Image Recording, Equipment & Quality Control 1  
MRAD 2212 Image Recording, Equipment & Quality Control 2  
MRAD 1180 Patient Care 1  
MRAD 2180 Patient Care 2

### MRAD 3309 is a Prerequisite for:

**Course No. Course Name**

None.

### Course Calendar Description

The instruction of this course will cover the fundamentals of advanced procedures in radiology. Through lectures, demonstrations and the use of audio-visual aids, the students will become aware of the technologist's role in performing the examinations listed in the Course Outcomes.

### Course Goals

To provide students with an introductory overview of special radiographic procedures. Students will also discuss the role of the technologist in relation to the radiography produced and their role within the health care team.

## Evaluation

Quizzes	15%	In order to receive a pass mark, you must obtain a score of 60%.
Project	25%	
Mid-term Examination	20%	
Final Examination	40%	
TOTAL	100%	

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## Course Learning Outcomes/Competencies

## Competency

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

Relating to mammography, myelography, arthrography, computed tomography, angiography, interventional radiology, and radiography of the salivary and reproductive systems:

- |   |            |
|---|------------|
| 1. Describe the radiography procedure.  | A1, A2, A8 |
| 2. Discuss the indications and contraindications.   | A3         |
| 3. Discriminate among available contrast media used.  | C5         |
| 4. Discuss patient positioning for routine projections/views considering surface landmarks, beam directions and centering points. | A4         |
| 5. Discuss patient care considerations.   | C3, C4     |
| 6. Identify accessory equipment and supplies.   | A5         |
| 7. Discuss image quality.   | A7         |
| 8. Identify the role of the technologist as part of the health care team.   | E1, E2     |

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## Course Content Verification

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

*M. Filippelli*

Program Head/Chief Instructor

*Dec 2001*

Date

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



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### **Instructor**

Valerie Palm

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Office Hrs.: As Posted

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### **Learning Resources**

#### **Required:**

1. MRAD 3309 — Student Manual

#### **Recommended:**

1. *Merrill's Atlas of Radiographic Positions and Radiologic Procedures*, 9th Edition, Phillip W. Ballinger.
  2. *Fundamentals of Special Radiographic Procedures*, Albert Snopeck, 1999.
  3. *Advanced Radiographic and Angiographic Procedures*, Tortorici, 1995.
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### **BCIT Policy Information for Students**

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### **Assignment Details**

To be discussed in class.