



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography

Option:

Course Outline

MRAD 3309

Radiographic Procedures 4

Start Date: January, 1999

End Date:

Course Credits: 2

Term/Level: 3

Total Hours: 21

Total Weeks: 7

Hours/Week: 3

Lecture:

Lab:

Shop:

Seminar:

Other:

Prerequisites

MRAD 3309 is a Prerequisite for:

Course No. Course Name

Course No. Course Name

Levels 1 & 2 Radiographic Procedures

Levels 1 & 2 Radiographic Anatomy

Levels 1 & 2 Image Recording, Equipment & Quality Control

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 overview of special radiographic procedures. Students will also discuss the role of the technologist in relation to the radiography produced and their role with the rest of the health care team.

Evaluation

Final Examination	40%	In order to receive a pass mark, you must obtain a score of 60%.
Quiz #1	25%	
Quiz #2	35%	
TOTAL	100%	

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 biliary and reproductive systems:

- | | |
|---|--------|
| 1. Describe the radiography procedure. | A1 |
| 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. Identify accessory equipment and supplies. | A5 |
| 6. Identify the radiographic anatomy visualized. | A7 |
| 7. Identify the role of the technologist as part of the health care team. | E1, E2 |

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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Instructor(s)

Gisela Paches

Office No.: SW3-4084

Office Hrs.: As Posted

Office Phone: 8743

E-mail Address:

Learning Resources

REQUIRED:

1. Merrill's Atlas of Radiographic Positions and Radiologic Procedures, 8th Edition, Phillip W. Ballinger.
2. Radiographic Procedures 4 — D. Kaplun, 1997.

RECOMMENDED:

1. Procedures in Diagnostic Radiology, Terence Doyle, William Hare, Kenneth Thomson, Brian Tess, 1989.
 2. Fundamentals of Special Radiographic Procedures, Albert Snopeck.
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BCIT Policy Information for Students

Assignment Details

MRAD 3309
Radiographic Procedures 4

DATE	TOPIC/MODULE	SETS
Jan. 5	Introduction	A/C
Jan. 6	Myelography 1	
Jan. 8	Myelography/Discography 1	
Jan. 12	Arthrography 2	A/C
Jan. 13	Arthrography/Venoography 2/13	
Jan. 15	Hysterosalpingography 4	
Jan. 19	Introduction	B/D
Jan. 20	Myelography 1	
Jan. 22	Myelography/Discography 1	
Jan. 26	Arthrography 2	B/D
Jan. 27	Arthrography/Venography 2/13	
Jan. 29	Hysterosalpingography 4	
Feb. 2	Lymphography 15	A/C
Feb. 3	Sialography 17	
Feb. 5	QUIZ #1	
Feb/ 9	Angiographic Principles 6	A/C
Feb/ 10	Angio 6	
Feb. 12	Abdominal Angio 7	
Feb. 16	Lymphography/Sialography 15/17	B/D
Feb. 17	Sialography/Angio Principles 17/6	
Feb. 19	QUIZ #1	
Feb. 23	Angiography/Abd Angio 6/7	B/D
Feb. 24	Thoracic/Pulmonary 9/11	
Feb. 26	Cerebral/Peripheral 10/8	
Mar. 2	Abd Angio/Thorac/Pulmon 7/9/11	A/C
Mar 3	Cerebral/Peripheral Arteriography 10/8	
Mar.5	Cardiac/DSA 12/14	
Mar. 9	DSA/Mammo Principles 12/5	A/C
Mar. 10	Mammo-Guest Lecturer 5	
Mar. 12	QUIZ #2	
Mar. 15-19	SPRING BREAK	
Mar. 23	Cardiac/DSA 12/14	B/D
Mar.24	DSA/Mammo Principles 14/5	
Mar. 26	Mammo-Guest Lecturer 5	
Mar. 30	QUIZ #2	B/D
Mar. 31	CT 3	
Apr. 2	GOOD FRIDAY	
Apr. 6	CT 3	A/C
Apr. 7	CT 3	
Apr. 9	Interventional 19	
Apr. 13	CT 3	B/D
Apr. 14	Interventional 19	
Apr. 16		
Apr. 19-23	FINAL EXAM WEEK	