



A POLYTECHNIC INSTITUTION

School of Health Sciences

Program: Medical Radiography Technology

Option:

MRAD 3309**Radiographic Procedures 4****Start Date:** January, 2003**End Date:** April, 2003**Total Hours:** 20 **Total Weeks:** 16
Hours/Week: 2 / 1 **Lecture:** 2 **Lab:****Term/Level:** 3 **Course Credits:** 1.5
Shop: **Seminar:** **Other:****Prerequisites**

Course No.	Course Name
MRAD 1106	Radiographic Procedures 1
MRAD 2216	Radiographic Procedures 2
MRAD 1104	Radiographic Anatomy 1
MRAD 2214	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 1106 is a Prerequisite for:

Course No.	Course Name
MRAD 4400	Clinical Education 4

■ Course Description

This course will cover the fundamentals of advanced and interventional procedures in radiology. Through lectures, demonstrations, the use of audio visual aids and student projects, the students will become aware of the technologist's role in performing the examinations listed in the course outcomes.

■ Detailed Course Description**Course Goals**

- To provide students with an introductory overview of special radiological procedures. Students will also discuss the role of the technologist in relation to the radiography produced, patient care management and their role within this specific health care team.

■ Evaluation

Quizzes	10%	Project must be satisfactorily completed for a course mark to be received. <i>As per BCIT Policy, Late projects will not be accepted for marking.</i> 60% is the required pass mark in this course
Midterm Examination	25%	
Project	25%	
Final Examination	40%	
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)

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

	Learning Outcome	CT
1.	describe the radiographic 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

■ Verification

I verify that the content of this course outline is current.



Authoring Instructor

Dec 02, 2002.

Date

I verify that this course outline has been reviewed.

M. Filippelli

Program Head/Chief Instructor

Dec 2/02

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)

Valerie Palm, ACR, MEd Office Location: SW3-4077
Office Hrs.: As posted

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Address:

■ Learning Resources

Required:

- MRad 3309 Student Lecture Manual – **Radiographic Procedures 4**
- MRad 3309 Web site

Recommended:

- Philip W. Ballinger *Merrill's Atlas of Radiographic Positions and Radiologic Procedures 9th Edition*
- Albert Snopek, 1999- *Fundamentals of Special Radiographic Procedures*
- Tortorici, 1995, *Advanced Radiographic and Angiographic Procedures*

■ 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.

■ Assignment Details

To be reviewed in class.

3309 Itinerary - Jan - April 2003

Week #	Thursday 1130	Friday 1230
1 Jan 6 – 10	Course Overview Intro to Arthrography	Arthrography
2 Jan 13 – 17	<i>Quiz (Arthrography)</i> Hysterosalpingography	Myelography/ Discography
3 Jan 20 – 24	<i>Quiz (Salpy's, Myelograms)</i> Venography	Introduction to Angiography
4 Jan 27 - 31	<i>Quiz (Venography)</i> Introduction to Angiography cont'd	Abdominal Angiography Peripheral Angiography
5 Feb 3 – 7	<i>Quiz (Angio – Intro, Abd & Periph)</i> Thoracic, Pulmonary & Cardiac Angiography,	Cerebral Angiography Digital Subtraction Angiography
6 Feb 10 – 14	<i>Midterm Exam</i> <i>Up to and including Angiography</i>	Interventional Procedures <i>Awards Competition:</i> <i>Essay abstract due - Feb 12</i>
7 Feb 17 – 21	Interventional Procedures	
8 Feb 24 – 28	Interventional Procedures	
9 March 3 – 7	<i>Quiz (Interventional)</i> Mammography	<i>Awards Competition:</i> <i>Final Essay due - March 12</i>
Mar 10 – 14	Spring Break	
11 Mar 17 – 21	Mammography	Term Projects Due: March 21
12 March 24 – 28	<i>Quiz (Mammo)</i> Sialography	<i>Awards Competition:</i> <i>Posters / Exhibits App. deadline</i> <i>Mar 26th</i>
13 March 31 - April 4	<i>Quiz (Sialography)</i> Computed Tomography	
14 April 7 - 11	Computed Tomography	
15 April 14 – 18	<i>Quiz (CT)</i> Project Review	<i>Awards Competition:</i> <i>Deliver Posters / Exhibits to</i> <i>Conference site – April 23</i>
16 April 21 - 25	Exam Week <i>Awards Competition: April 24 – 26</i>	