



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline Part A

MRAD 2201

Radiographic Procedures

Hours/Week:	4.3	Total Hours:	70	Term/Level:	2
Lecture:		Total Weeks:	15	Credits:	4.0
Lab:					
Other:					

Prerequisites

MRAD 2201 is a Prerequisite for:

Course No.: MRAD 1101

Course No.:

Course Name: Radiographic Procedures

Course Name:

Course Record

Developed by: Dori Kaplun, ACR Date: _____
Instructor Name and Department

Revised by: Dori Kaplun, ACR Date: July, 1995
Instructor Name and Department

Approved by: Ann McMillen, RT, MEd Start Date: _____
Associate Dean / Program Head

Course Description

Radiographic Procedures continues through Level 2, with the final examination in December, 1995. The course content is as follows:

LECTURES — Lecture material will be given as per attached Schedule.

LABORATORY SESSIONS — **3 hours per week.** Three hours per week will be scheduled for the practice of the positioning of the projections and views relating to the material covered in class.

Laboratory portion of the mark will be based on quizzes in lab, as well as student's professional conduct and attitude during the lab.

Course Goals

Evaluation

Final Examination	40%	
Quizzes	35%	All labs and projects must be satisfactorily completed before a course mark will be given.
Assignments	5%	
Laboratory	10%	
Videotape	10%	60% is required for a pass.
TOTAL	100%	

Course Outcomes and Sub-Outcomes

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

1. define, describe, and demonstrate beam directions, centering points and patient positioning relating to the radiography of the:
 - urinary system
 - GI system
 - biliary system
 - thoracic cage
 - thoracic spine
 - scoliosis leg lengths
2. describe the patient preparation, required projections and contrast media relating to radiographic examinations of the urinary, digestive, and biliary systems.
3. describe contrast reactions of various contrast media and the pertinent treatment.
4. describe pediatric considerations and immobilization for various radiographic procedures.
5. describe tomographic considerations for various anatomical structures.
6. describe and role play trauma scenarios.
7. provide a videotape to demonstrate his/her organizational and communication skills in addition to his/her radiographic competence.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline Part B

**MRAD 2201
Radiographic Procedures**

Effective Date

September 1995

Instructor(s)

Gisela Paches, ACR

Office No.: SW3 4084

Phone: 5750

Office Hrs.: As posted

Text(s) and Equipment

Required:

1. Positioning notes — Level 2.
2. "Merrill's Atlas of Radiographic Positions and Radiologic Procedures" Phillip W. Ballinger — 7th Edition. Volumes 1 and 2.
3. Curriculum Guide for Radiography Programs — CAMRT.

Recommended:

1. "Johnson and Kennedy's Radiographic Skeletal Anatomy" — Bryon.
2. "Joy of Sectioning" — Dowdell
3. "The Contrast Media Manual" — Katzberg
4. "Textbook of Radiographic Positioning & Related Anatomy" — Bontrager
5. "Trauma and Mobile Radiography" — Drafke



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Schedule

School of Health Sciences

Program: Medical Radiography

Option:

MRAD 2201
Radiographic Procedures

Date	Topic
Sept. 5-8	Student Orientation
11	Intro – Review C. Spine, T. Spine
13	Urinary System
14	Urinary System
15	Urinary Tomography
18	Urinary Tomography
20	Shinerama
21	Cystography & Urethrography and Contrast Reactions
22	Resp. System – decubitus/lordotic
25	Contrast Media – Guest Lecturer
27	G.I. Intro & Contrast
28	Esophagus & Stomach
29	Stomach & F.T.
Oct. 2	Quiz #1
4	Colon Intro & Contrast
5	Colon & Body Habitus
6	Geriatric Considerations – Guest Lecturer
9	Thanksgiving
11	Sacrum, Coccyx & S.I. Jts.
12	Review
13	Pediatric Considerations – Guest Lecturer

SETS A/C		SETS B/D
Oct. 16	Scoliosis & Leg Lengths	30
18	Pediatric Syndromes	Nov. 1
20	Ribs, Sternum, A.C. Jts., S.C. Jts.	
20	Pharynx, Larynx, Trachea	
23	Review	6
25	Quiz #2	8
27	Tomography	10
27	Tomography	10
Nov. 13	Biliary Intro./Oral Chole & P.T.C.	27
15	E.R.C.P. & T. Tubes	29
17	Biliary Tube Changes	Dec. 1
17	Biliary Review	1
20	General Trauma Intro.	4
22	Rollplay & Feedback	6
24	Rollplay & Assessment	8
24	Review/Trauma	8
Dec. 11 - 15	Final Exam Week	Dec. 11 - 15