



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part A

School of Health Sciences

Program: Medical Radiography

Option:

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.: MRAD 3301

Course Name: Radiographic Procedures

Course Name: Radiographic Procedures

Course Record

Developed by: Shirley Hundvik, RT, MEd; Dori Kaplun, ACR, MEd
Instructor Name and Department

Revised by: Dori Kaplun, ACR, MEd
Instructor Name and Department

Date: July, 1996

Approved by: Shirley Hundvik, RT, MEd
Associate Dean / Program Head

Start Date: September, 1996

Course Description

Radiographic Procedures continues through Level 2, with the final examination in December, 1996. 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	35%	All labs and projects must be satisfactorily completed before a course mark will be given.
Quizzes	35%	
Assignments	5%	
Laboratory	10%	
Videotape	15%	
TOTAL	100%	(60% is required for a pass.)

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
 - hip and acetabulum
 - thoracic cage
 - sacrum and coccyx
 - SI joints
 - scoliosis
 - leg lengths
2. describe 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 and geriatric 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 radiographic judgement, organizational and communication skills in addition to 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 1996

Instructor(s)

Dori Kaplun, ACR, MEd

Office No.: SW3 4084

Phone: 5750

Home: 980-8173

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 — 8th 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 and Related Anatomy" — Bontrager
5. "Trauma and Mobile Radiography" — Drafke

**MRAD 2201 FALL 1996
LECTURE DATES**

SETS A/C DATE	TOPIC	SETS B/D DATE
Week of Sept. 3 — Special Studies		
LAB	C & L Spines; Sensitometric Film Screen Comparison	LAB
Sept. 10	Introduction and Review of C spine & L spine	Sept. 10
11	GI System • Intro and Contrast	11
13 A	GI System • Esophagus and Stomach	13 A
13 B	GI System • Stomach and Small Bowel	13 B
LAB	Upper GI System	LAB
Sept. 17	GI System • Colon	17
18	SHINERAMA	18
20 A	GI System • Colon	20 A
20 B	Urinary Intro	20 B
LAB	Lower GI System	LAB
Sept. 24	Urinary System • Kidneys	24
25	Urinary System • Tomography	25
27 A	Urinary System	27 A
27 B	Tomography	27 B
LAB	Urinary System • Urinary Tomography	LAB
Oct. 1	Urinary System • Contrast Media	Oct. 1
2	Urinary System • Guest Lecturer	2
4 A	Hip and Acetabulum	4 A
4 B	Review	4 B
LAB	Hip and Acetabulum and Collimator Test	LAB
Oct. 8	Quiz #1	8
9	Geriatric Considerations	9
11 A	Pediatric Syndromes	11 A
11 B	Pediatric Considerations	11 B
LAB	Tomography	LAB
Oct. 14	Thanksgiving/Review	Oct. 28
16	Sacrum, Coccyx and SI jts.	30
18 A	Chest	Nov. 1 A
18 B	Pharynx, Larynx and Trachea	1 B

SETS A/C DATE	TOPIC	SETS B/D DATE
------------------	-------	------------------

LAB	Sacrum, Coccyx and SI Jts.	LAB
Oct. 21	Ribs, Sternum	Nov. 4
23	AC jts., SC jts.	6
25 A	Quiz #2	8 A
25 B	Biliary Intro	8 B
LAB	Ribs, AC Jts., and Chest	LAB
Nov. 11	Remembrance Day/Review	Nov. 25
13	OR Chole, Post OR Chole	27
15 A	Assignment	29 A
15 B	Assignment	29 B
LAB	Sternum and SC Jts., Biliary	LAB
Nov. 18	Post OR Chole and ERCP	Dec. 2
20	PTC	4
22 A	Assignment	6 A
22 B	Assignment	6 B