BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

COURSE OUTLINE

COURSE NAME *RADIOGRAPHIC PROCEDURES*

COURSE NUMBER *MRAD 1101*

DATE *January 1995*

Prepared by *Mary Filippelli*

Taught to *Level 1* Year

School *Medical Radiography*

School

Program *Health Sciences*

Program

Date Prepared *November 1994*

Option

Level *1* Hrs/Wk *3 Lec & 3 Lab* Credits *5.5*

No. of Weeks *14* Total Hours *85*

Instructor(s) *Mary Filippelli* Office *SW3 4084* Local *5750*

Office Hours *As Posted.*

PREREQUISITES

As per BCIT Calendar.

COURSE OBJECTIVES

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

1. discuss the role of the Radiological Technologist in health care;
2. describe and demonstrate x-ray beam directions, basic patient positions and projections;
3. describe, demonstrate and use phantoms, perform radiography of the body areas in this course outline;
4. identify on radiograph the specific anatomical structures demonstrated in the various views common to radiography of the areas listed in this outline.

EVALUATION

Final Examination	40 %	All the laboratory exercises must be satisfactorily
Mid-Term	60 %	completed for a course mark to be received.
		60% is the required pass mark in this course.

REQUIRED TEXT(S) AND EQUIPMENT

1. "Merrill's Atlas of Radiographic Positions and Radiologic Procedures"—Philip W. Ballinger—6th Edition.

2. "Laboratory Manual—Level 1."

3. "Curriculum Guide for Radiography Programs"—Canadian Association of Medical Radiation of Technologists.

REFERENCE TEXTS AND RECOMMENDED EQUIPMENT

COURSE SUMMARY

An introductory course to the field of Radiography will be presented. Content to include basic radiographic principles and terminology. Will also include the patient preparation, care, and positioning for all the radiographic procedures for the chest, abdomen, upper extremities, shoulder girdle, lower extremities, pelvis, hip and spine.

Basic principles of patient positioning will be reinforced in the laboratory sessions where students must demonstrate their ability to position for all related examinations.

MRAD 1101

	Date	Week	Lectures
Mon	Jan 9	1	Introduction & Basic Considerations
	Jan 9		Radiographic Principles
Fri	Jan 13		Steps in Radiography
Mon	Jan 16	2	Terminology
	Jan 16		Terminology
Fri	Jan 20		Pediatric Consideration in Radiography
Mon	Jan 23	3	Considerations in Radiography
	Jan 23		Introduction to Chest Radiography
Fri	Jan 27		Chest Radiography
Mon	Jan 30	4	Introduction to Abdomen Radiography
	Jan 30		Abdomen Radiography
Fri	Feb 3		Pediatric Chest & Abdomen
Mon	Feb 6	5	Quiz #1
	Feb 6		Introduction to Upper Ext. Radiography
Fri	Feb 10		Finger, Thumb, Hand
Mon	Feb 13	6	Wrist & Scaphoid
	Feb 13		Forearm & Elbow
Fri	Feb 17		Humerus & Shoulder
Mon	Feb 20	7	Shoulder Cont'd.
	Feb 20		Scapula & Clavicle
Fri	Feb 24		Pediatric Considerations: Upper Extremity
Mon	Feb 27	8	Quiz #2
	Feb 27		Introduction to Lower Extremity
Fri	Mar 3		Toes & Foot
Mon	Mar 6	9	Ankle Joint & Calcaneus
	Mar 6		Tibia & Fibula
Fri	Mar 10		Knee & Patella
	Mar 13–17		**Spring Break**

	Date	Week	Lectures
Mon	Mar 20	10	Femur & Pelvis
	Mar 20		Pediatric Considerations—Lower Extremities
Fri	Mar 31		Quiz #3
Mon	Apr 3	11	Hip Joint
	Apr 3		Hip Joint (cont'd)
Fri	Apr 7		Introduction to Vertebral Radiography
Mon	Apr 10	12	Cervical Spine
	Apr 10		Thoracic Spine
Fri	Apr 14		Good Friday—No Classes
Mon	Apr 17	13	Easter Monday—No Classes
	Apr 17		Easter Monday—No Classes
Fri	Apr 21		Lumbar Spine
	Apr 24–28	14	**Final Exam Week**