



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part A

School of Medical Radiography

Program: Health Sciences

Option:

MRAD 1101

Radiographic Positioning

Hours/Week:	6	Total Hours:	96	Term/Level:	1
Lecture:	3	Total Weeks:	16	Credits:	5.5
Lab:	3				
Other:					

Prerequisites

MRAD 1101 is a Prerequisite for:

Course No. Course Name

As per BCIT Calendar

Course No. Course Name

MRAD 2201 Radiographic Positioning

Course Goals

- To introduce the student to the field of radiography together with providing a brief introduction to x-radiation practices.
 - To assist the student to understand the radiographic procedure requirements in order to carry out the necessary positioning relative to the upper and lower extremities, chest, abdomen and pelvic girdle.
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Course Description

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.

Evaluation

Final Examination	40%	All the laboratory exercises must be satisfactorily completed for a course mark to be received. 60% is the required pass mark in this course.
Quiz (2)	40%	
Project	15%	
Laboratory	5%	
TOTAL	100%	

Course Outcomes and Sub-Outcomes

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

1. Discuss the role of the Radiological Technologists in health care.
2. Describe x-ray beam directions, basic patient positions and radiographic projections.
3. Demonstrate basic radiographic projections of the upper extremity, shoulder girdle, lower extremity, pelvic girdle including hip, and spinal column.
4. Using phantoms, perform radiography of the upper extremity, shoulder girdle, lower extremity, pelvic girdle including hip, and spinal column.
5. Identify on radiographs the specific anatomical structures demonstrated in the various views common to radiography of the areas identified in #4 above.

Course Record

Developed by: _____ Date: _____
Instructor Name and Department (signature)

Revised by: _____ Date: _____
Instructor Name and Department (signature)

Approved by: _____ Start Date: _____
Associate Dean / Program Head (signature)



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Medical Radiography

Program: Health Sciences

Option:

Course Outline Part B

MRAD 1101

Radiographic Positioning

Effective Date

January, 1996

Instructor(s)

Mary Filippelli

Office No.: SW3 4084
Office Hrs.: As Posted.

Phone: Loc. 5750

Text(s) and Equipment

Required:

Merrills Atlas of Radiographic Positions and Radiologic Procedures. Philip W. Ballinger, 6th Edition.

Laboratory Manual—Level 1.

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

Recommended:

Course Notes (Policies and Procedures)

Assignment Details

MRAD 1101

LECTURE SCHEDULE

	Date	Week	Lectures
Mon	Jan 8	1	Introduction & Basic Considerations
	Jan 8		Radiographic Principles
Fri	Jan 12		Terminology
Mon	Jan 15	2	Terminology
	Jan 15		Steps in Radiography
Fri	Jan 19		Pediatric Consideration in Radiography
Mon	Jan 22	3	Considerations in Radiography
	Jan 22		Introduction to Chest Radiography
Fri	Jan 26		Chest Radiography
Mon	Jan 29	4	Introduction to Abdomen Radiography
	Jan 29		Abdomen Radiography
Fri	Feb 2		Pediatric Chest & Abdomen
Mon	Feb 5	5	Quiz #1
	Feb 5		Introduction to Upper Ext. Radiography
Fri	Feb 9		Finger, Thumb, Hand
Mon	Feb 12	6	Wrist & Scaphoid
	Feb 12		Forearm & Elbow
Fri	Feb 16		Humerus & Shoulder
Mon	Feb 19	7	Shoulder (cont'd)
	Feb 19		Scapula & Clavicle
Fri	Feb 23		Pediatric Considerations: Upper Extremity
Mon	Feb 26	8	Quiz #2
	Feb 26		Introduction to Lower Extremity
Fri	Mar 1		Toes & Foot
Mon	Mar 4	9	Ankle Joint & Calcaneus
	Mar 4		Tibia & Fibula
Fri	Mar 8		Knee & Patella
	Mar 11-15		Spring Break

	Date	Week	Lectures
Mon	Mar 18	10	Femur & Pelvis
	Mar 18		Pediatric Considerations—Lower Extremities
Fri	Mar 29		Hip Joint
Mon	Apr 1	11	Hip Joint (cont'd)
	Apr 1		Introduction to Vertebral Radiography
Fri	Apr 5		Good Friday-No Classes
Mon	Apr 8	12	Easter Monday-No Classes
	Apr 8		Easter Monday-No Classes
Fri	Apr 12		Cervical Spine
Mon	Apr 15	13	Cervical Spine
	Apr 15		Lumbar Spine
Fri	Apr 19		Lumbar Spine (cont'd)
	Apr 22-26	14	Final Exam Week