



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
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Course No.	Course Name
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As per BCIT Calendar

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.

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	<u>100%</u>	

Course Outcomes and Sub-Outcomes

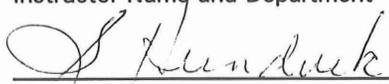
Upon successful completion of this course the student will be able to:

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, 1997

Instructor(s)

Mary Filippelli

Office No.: SW3 4084

Phone: Loc. 5750

Office Hrs.: As Posted.

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 6 Jan 6	1	Introduction & Basic Considerations Radiographic Principles
Fri	Jan 10		Terminology
Mon	Jan 13 Jan 13	2	Terminology Steps in Radiography
Fri	Jan 17		Pediatric Consideration in Radiography
Mon	Jan 20 Jan 20	3	Considerations in Radiography Introduction to Chest Radiography
Fri	Jan 24		Chest Radiography
Mon	Jan 27 Jan 27	4	Introduction to Abdomen Radiography Abdomen Radiography
Fri	Jan 31		Pediatric Chest & Abdomen
Mon	Feb 3 Feb 3	5	Quiz #1 Introduction to Upper Ext. Radiography
Fri	Feb 7		Finger, Thumb, Hand
Mon	Feb 10 Feb 10	6	Wrist & Scaphoid Forearm, Elbow, Humerus
Fri	Feb 14		Pediatric Considerations - Upper Extremity
Mon	Feb 17 Feb 17	7	Introduction to Lower Extremities Toes & Foot
Fri	Feb 21		Ankle Joint & Calcaneus
Mon	Feb 24 Feb 24	8	Tibia & Fibula Knee & Patella
Fri	Mar 28		Femur & Pelvis
Mon	Mar 3 Mar 3	9	Sacroiliac Joints Pediatric Considerations - Lower Extremity
Fri	Mar 7		Quiz #2

	Date	Week	Lectures
	Mar 10-14	10	Spring Break
Mon	Mar 17	10	Introduction to Vertebral Radiography Cervical Spine
	Mar 17		
Fri	Mar 21		Cervical Spine
Mon	Mar 24	11	Thoracic Spine Lumbar Spine
	Mar 24		
Fri	Mar 27		Good Friday-No Classes
Mon	Mar 31	12	Easter Monday-No Classes Easter Monday-No Classes
	Mar 31		
Fri	Apr 4		Lumbar Spine
Mon	Apr 7	13	Sacrum & Coccyx Pediatric Considerations - Vertebral Radiography
	Apr 7		
Fri	Apr 11		Spine Review
Mon	Apr 14		Projects Projects
	Apr 14		
Fri	Apr 17		Projects
	Apr 21-25	14	Final Exam Week