



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Laboratory Technology

Option:

Course Outline Part A

MRAD 2207 Pathology for Radiographers

Hours/Week: 3

Lecture: 2

Lab: 1

Other:

Total Hours: 27

Total Weeks: 15

Term/Level: 2

Credits: 2

Prerequisites

Course No.: MRAD 1104, MRAD 1101/1103

Course Name:

MRAD 2207 is a Prerequisite for:

Course No.: MRAD 3307

Course Name: Pathology for Radiographers

Course Record

Developed by: _____ Date: _____
Instructor Name and Department

Revised by: _____ Date: _____
Instructor Name and Department

Approved by: _____ Start Date: _____
Associate Dean / Program Head Sept. 95

Course Description

During this part of the course the student will be introduced to Medical Terminology and to some of the basic physiological principles underlying disease processes. The main portion of the term will be spent on an in-depth study of those pathological conditions which specifically affect bone and identifying them as they appear radiographically.

Course Goals

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

1. correctly use terminology relevant to the study of disease.
 2. explain the relationship between a disease and its effect on the body as a whole.
 3. identify the signs and symptoms associated with disease processes.
 4. plan changes in radiographic technique to best demonstrate the presence of disease processes.
 5. describe the radiographic appearance of selected pathological conditions.
 6. develop a plan for patient care during radiography based on the pathology involved.
 7. identify a selected group of pathologies as they appear radiographically.
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Evaluation

Final Examination	50%	The pass mark for all subjects in the Medical Radiography program is 60%.
Mid-Term	25%	
Mid-Term Lab	25%	
TOTAL	100%	

Course Outcomes and Sub-Outcomes



BRITISH COLUMBIA INSTITUTE OF
TECHNOLOGY

School of Health Sciences

Program: Medical Laboratory Technology

Option:

Course Outline Part B

MRAD 2207 Pathology for Medical Radiographers

Effective Date

June, 1995

Instructor(s)

Ms. Ann McMillen

Office No.: 4086

Phone: 8743

Office Hrs.: Open

Text(s) and Equipment

Required:

Pathology for Medical Radiography, A. McMillen, 1991.

CAMRT Syllabus.

Mosby's Medical and Nursing Dictionary, C.V. Mosby Co., 1983.

Bit Card.

Recommended:

An Introduction to the Study of Disease, 8th ed. William Boyd. Lea and Febiger, Philadelphia, 1980.

CAMRT Syllabus

Required Texts

Handouts (to be distributed at the beginning of the course)

Outline of Fractures, 6th Ed.. J.C. Adams. Churchill Livingstone, London, 1972.

Fractures and Dislocations in Children. A.G. Pollen. Churchill Livingstone, London, 1973.

The Bones and Joints. G.S. Lodwick. Year Book Medical Publishers, 1971.

Synopsis of Analysis of Roentgen Signs in General Radiology. I. Meschan. W.B. Saunder Co., Philadelphia, 1975.

MRAD 2207 Pathology for Medical Radiographers

Sets	Date	Lecture	Lab
All	Sept. 11 Sept. 15	Introduction, Terminology, General Disease Process The Cell, Healing and Repair Neoplasia	No Labs
All	Sept. 18 Sept. 22	Fractures - An Introduction Fractures - Upper Extremities	Introduction to the Video Disc Film File
All	Sept. 26 Sept. 29	Fractures - Lower Extremities Fractures - Spine, Pelvis, Ribs, Sternum and Skull	Fractures - Upper Extremities
All	Oct. 2 Oct. 6	Fracture Healing MID-TERM	Fractures - Lower Extremities
All	Oct. 9 Oct. 13	No Class - Thanksgiving. Mid-Term - Review	Fractures - Spine, Pelvis, Ribs, Sternum and Skull
A/C	Oct. 16 Oct. 20	Inflammatory Disorders Neoplastic Disorders	Inflammatory Disorders
A/C	Oct. 23 Oct. 28	Epiphyseal Disorders Metabolic Disorders	Neoplastic and Metabolic Disorders
B/D	Oct. 30 Nov. 3	Inflammatory Disorders Neoplastic Disorders	Inflammatory and Neoplastic Disorders
B/D	Nov. 6 Nov. 10	Epiphyseal Disorders Metabolic and Miscellaneous Disorders	Epiphyseal Disorders Metabolic and Miscellaneous disorders
A/C	Nov. 13 Nov. 22	Remembrance Day Miscellaneous Disorders	Epiphyseal Disorders and Miscellaneous
A/C	Nov. 27 Dec. 1	Course Review Course Review	LAB EXAM
B/D	Dec. 4 Dec. 8	Metabolic Disorders Miscellaneous Disorders and Review	LAB EXAM
All	Dec. 11	FINAL EXAM WEEK	FINAL EXAM WEEK