



Course Outline

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: School of Health Sciences

Program: Medical Radiography Program

Option:

MRAD 2207

Pathology for Radiographers

Start Date: Sept 98

End Date: Dec 98

Course Credits: 2

Term/Level: Two

Total Hours: 42

Total Weeks: 14

Hours/Week: **Lecture:** **Lab:** **Shop:** **Seminar:** **Other:**

Prerequisites

MRAD 2207 is a Prerequisite for:

Course No. Course Name

1104 Radiographic Anatomy

Course No. Course Name

Mrad 3307 Pathology for Radiographers

Course Calendar Description

The content covered in Level two is an introduction to general pathology and bone pathology.

- To provide the students with the knowledge necessary to make informed decisions about technique changes and patient care associated with different pathologic processes
- To identify a select group of pathologies as they appear radiographically
- To give students a broad knowledge of the more common pathologic processes

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.

Evaluation

Weekly Quizzes	20
Midterm Exam	40
Final Exam	40

The pass mark for all subjects in the Medical Radiography program is 60%.

TOTAL	<u>100%</u>
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Course Content Verification

I verify that the content of this course outline is current, accurate, and complies with BCIT Policy.

Program Head/Chief Instructor

Date



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Instructor(s)

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Learning Resources

Required:

Pathology for Medical Radiography, A. McMillen, 1997.

CAMRT Syllabus.

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

Bit Card.

Recommended:

1. *Boyd's Introduction to the Study of Disease*, 9th ed. Shelton, Huntington. Lea and Febiger, Philadelphia, 1984.
2. *Outline of Fractures*, 6th Ed.. J.C. Adams. Churchill Livingstone, London, 1972.
3. *Fractures and Dislocations in Children*. A.G. Pollen. Churchill Livingstone, London, 1973.
4. *The Bones and Joints*. G.S. Lodwick. Year Book Medical Publishers, 1971.
5. *Synopsis of Analysis of Roentgen Signs in General Radiology*. I. Meschan. W.B. Saunder Co., Philadelphia 1975.
6. *The Language of Fractures*, 2nd Edition, Robert J. Schultz. Williams and Wilkins, Baltimore, 1990



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WEEK	DATE	SET	LECTURE	LAB
1	Sept 7 Sept 11	All	No classes Cellular Structure, Healing and Repair Neoplasia	Introduction to Lab Video and Film Files and Terminology
2	Sept 14 Sept 18	All	Introduction to Fractures Fractures of Upper Extremities	Introduction to Fractures Cont'd
3	Sept 21 Sept 25	All	Fractures Lower Extremities	Upper Extremities
4	Sept 28 Oct 2	All	Fractures – Spine, Pelvis, Ribs and Sternum Surgical Procedures	Lower Extremities
5	Oct 5 Oct 9	All	Surgical Procedures Midterm	Midterm
6	Oct 13 Oct 16	A/C	Inflammatory Disorders	Spine, Pelvis, Ribs and Sternum
7	Oct 20 Oct 23	B/D	Inflammatory Disorders	Spine, Pelvis, Ribs and Sternum
8	Oct 27 Oct 30	A/C	Epiphyseal Disorders	Inflammatory Disorders
9	Nov 3 Nov 6	A/C	Neoplastic Disorders	Epiphyseal Disorders
10	Nov 10 Nov 13	B/D	Epiphyseal Disorders	Inflammatory Disorders

11	Nov 17 Nov 20	B/D	Neoplastic Disorders	Epiphyseal, Disorders
12	Nov 24 Nov 27	A/C	Metabolic and Miscellaneous Disorders	Neoplastic Disorders Metabolic and Miscellaneous Disorders
13	Dec 1 Dec 4	B/D	Metabolic and Miscellaneous Disorders	Epiphyseal , Metabolic and Misc. Metabolic and Miscellaneous Disorders
14	Dec 7	All	EXAM WEEK	