



## 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:** September 1999

**End Date:** December 1999

**Course Credits:** 2

**Term/Level:** Two

**Total Hours:** 42

**Total Weeks:** 14

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

### Prerequisites

Course No.	Course Name
1104	Radiographic Anatomy

### MRAD 2207 is a Prerequisite for:

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.

M. Filippelli  
Program Head/Chief Instructor

Aug 1999  
Date



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**Instructor(s)**

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**Learning Resources**

**Required:**

*Pathology for Medical Radiography Student Manual,*

*CAMRT Syllabus.*

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

**Recommended:**

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



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	<b>WEEK OF</b>	<b>SET</b>	<b>LECTURE</b>	<b>LAB</b>
1	Sept 6	All	Cellular Structure, Healing and Repair Neoplasia	Introduction to Lab Video and Film Files and Terminology
2	Sept 13	All	Introduction to Fractures Fractures of Upper Extremities	Introduction to Fractures Cont'd
3	Sept 20	All	Fractures Lower Extremities	Upper Extremities
4	Sept 27	All	Fractures – Spine, Pelvis, Ribs and Sternum Surgical Procedures	Lower Extremities
5	Oct 4	All	Surgical Procedures Midterm	Spine, Pelvis, Ribs and Sternum Midterm
6	Oct 11	A/C	Inflammatory Disorders	Spine, Pelvis, Ribs and Sternum, Cont'd
7	Oct 18	B/D	Inflammatory Disorders	Spine, Pelvis, Ribs and Sternum, Cont'd
8	Oct 25	A/C	Epiphyseal Disorders	Inflammatory Disorders
9	Nov 1	A/C	Neoplastic Disorders	Epiphyseal Disorders
10	Nov 8	B/D	Epiphyseal Disorders	Inflammatory Disorders
11	Nov 15	B/D	Neoplastic Disorders	Epiphyseal Disorders
12	Nov 22	A/C	Metabolic and Miscellaneous Disorders	Neoplastic Disorders Metabolic and Miscellaneous Disorders
13	Nov 29	B/D	Metabolic and Miscellaneous Disorders	Neoplastic Metabolic and Miscellaneous Disorders
14	Dec 6	All	EXAM WEEK	