



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography

Option:

Course Outline

MRAD 3307

Pathology for Medical Radiography

Start Date: January, 2000

End Date: April, 2000

Course Credits: 1.5

Term/Level: 3

Total Hours: 24

Total Weeks: 9

Hours/Week: 3 **Lecture:** 2 **Lab:** 1 **Shop:** **Seminar:** **Other:**

Prerequisites

Course No. Course Name

MRAD 2206 Radiographic Procedures

MRAD 2207 Pathology for Medical Radiographers

MRAD 2204 Radiographic A & P

MRAD 3307 is a Prerequisite for:

Course No. Course Name

MRAD 4400 Clinical Education

Course Calendar Description

This course follows MRAD 2207 and includes relevant pathologies of the Respiratory, Gastrointestinal, Urogenital, Cardiovascular, Nervous, Reticuloendothelial and Endocrine Systems.

Course Goals

Level three deals with pathologies of body systems.

- 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.

Evaluation

Final Examination	50%	TOTAL	100%
Quiz #1	25%		
Quiz #2	25%		

Course Learning Outcomes/Competencies**Competency**

- | | |
|--------------------------------------------------------------------------------------------------|--------|
| 1. Correctly use terminology relevant to the study of disease. | A1 |
| 2. Explain the relationship between common diseases and their effects on the body as a whole. | A1 |
| 3. Identify the signs and symptoms associated with some common disease processes. | A7 |
| 4. Plan changes in radiographic technique to best demonstrate the presence of disease processes. | A1, C3 |
| 5. Describe the radiographic appearance of selected pathological conditions. | A7 |
| 6. Develop a plan for patient care during radiography based on the pathology involved. | C3 |
| 7. Identify a selected group of pathologies as they appear radiographically. | A7 |
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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

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.



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Pathology for Medical Radiography

Instructor(s)

Rita McLaughlin Office No.: SW3 4077
 Office Hrs.: Mon.–Fri.
 0830–1630 and by appointment

Office Phone: 412-7531
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Learning Resources

Required:

1. *Pathology for Medical Radiography* – MRAD 2207, 3307, A. McMillen, 1991.
2. *Mosby's Medical and Nursing Dictionary*, C.V. Mosby Co., 1983.

Recommended:

1. *Radiographic Pathology for Technologists*, J.D. Mace & N. Kowalczyk. (1998). 3rd Ed. St. Louis: Mosby.
2. *Radiographic Pathology*, T. Linn-Watson. (1996). Philadelphia: W.B. Saunders Company.

BCIT Policy Information for Students

Assignment Details



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

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Program: Medical Radiography Technology

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Schedule

MRAD 3307

Pathology for Medical Radiography

Week of/ Number	Lecture	Lab
Jan. 3 A/C Jan. 17 B/D	1. Bone 2. Respiratory	Bone Lecture
Jan. 10 A/C Jan. 24 B/D	1. Respiratory 2. G.I. System	Pathology of Bone Lab
Jan. 31 A/C Feb. 14 B/D	1. G.I. System 2. Liver & Biliary	Pathology of Respiratory System
Feb. 7 A/C Feb. 21 B/D	1. Quiz #1 2. Liver & Biliary	Pathology of GI System
Feb. 28 A/C Mar. 6 B/D	1. Genitourinary 2. GU & Mammary	Pathology of Liver & Biliary Systems
Mar. 13	SPRING BREAK	
Mar. 20 A/C Apr. 3 B/D	1. Pregnancy & Cardiovascular 2. Cardiovascular Systems	Pathology of GU System & Mammary Glands
Mar. 27 A/C Apr. 10 B/D	1. Quiz #2 2. CNS & Cerebral Tumors	Pathology of CNS and Cerebral Tumors and Pathological Complications of Pregnancy & Pathology of the Cardiovascular System
Apr. 17 A/C & B/D	1. Reticuloendothelial/Lymphatic & Endocrine Systems 2. Pathology of the Reticuloendothelial/Lymphatic & Endocrine Systems—Lab—Sets B/D	Pathology of the Reticuloendothelial/Lymphatic & Endocrine Systems — Sets A/C
Apr. 24	FINAL EXAM WEEK	