



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Course Outline

MRAD 3307

Pathology for Medical Radiography

Start Date: January, 2001

End Date: April, 2001

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, urinary, mammary, 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 projections, 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	40%
Quiz #1	25%
Quiz #2	25%
Modules	10%
Optional Assignment	5%
TOTAL	100%

**THE PASS MARK FOR ALL COURSES IN THE
MEDICAL RADIOGRAPHY PROGRAM IS 60%.**

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, A5, 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 |
| 8. Identify appropriate radiographic projections designed to demonstrate specific pathologies. | A7 |

Course Content Verification

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

M. DiGirollo
Program Head/Chief Instructor

Dec 2000
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)

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Office Hrs.: Mon.-Fri.

0830-1630 and by appointment

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Learning Resources

Required:

1. *Pathology for Medical Radiography* – MRAD 3307
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

You may choose to complete a case study on a pathological condition encountered in clinical practice. To complete this assignment you will duplicate the appropriate films, discuss the pathology indicating the classification of disease, physiological manifestations, signs and symptoms and radiographic appearance. You will also research and discuss treatment and prognosis. To complete this assignment you should submit an essay using the given headings. The submission should be a minimum of two double spaced single sided pages. This assignment is due one week prior to the conclusion of lectures for the term. Students who choose to complete this assignment will have the final examination worth 35% of the final grade.



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School of Health Sciences

Program: Medical Radiography Technology

Option:

Schedule

MRAD 3307

Pathology for Medical Radiography

Week	Number	Lectures	Lab
1	Jan. 3 A/C Jan. 8 B/D	2. Course Introduction Respiratory System	
2	Jan. 15 A/C Jan. 29 B/D	1. Respiratory System 2. Respiratory System	Respiratory Lecture
3	Jan. 22 A/C Feb. 5 B/D	1. Respiratory System 2. Gastrointestinal System	Respiratory Lab
4	Feb. 12 A/C Feb. 26 B/D	1. G.I. System and Biliary Module 2. Quiz #1	G.I. Lab
5	Feb. 19 A/C Mar. 5 B/D	1. Biliary & Urinary 2. Urinary & Mammary Modules	Biliary and Liver Lab
		SPRING BREAK	
6	Mar. 19 A/C Mar. 26 B/D	1. Cardiovascular Systems 2. CV System	Urinary and Mammary
7	Apr. 2 A/C Apr. 16 B/D	1. CNS & Cerebral Tumors 2. Quiz #2	CNS, Cerebral Tumors & CV Diseases
8	Apr. 16 A/B/C/D	1. Reticuloendothelial & Endocrine Systems	1. Reticuloendothelial & Endocrine Lab A/C 2. Reticuloendothelial & Endocrine Lab B/D