

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

COURSE OUTLINE

COURSE NAME Pathology for Medical Radiography

COURSE NUMBER MRAD 3307

DATE 1995

Prepared by A. McMillen

Taught to Level 3

School Health Sciences

School Health Sciences

Program Medical Radiography

Program Medical Radiography

Date Prepared November 1994

Option Medical Radiography

Level 3 Hrs/Wk 3 Credits 2.0
Alternate Weeks

No. of Weeks 16 Total Hours 32 14

Instructor(s) A. McMillen Office SW3-4086 Local 8743

Office Hours OPEN

PREREQUISITES

MRAD 2201

MRAD 2207 - Pathology for Medical Radiographers

MRAD 2204 - Radiographic A & P

COURSE GOALS

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

1. Explain and give examples of the terminology which is relevant to the study of disease.
2. Explain the relationship between a specific disease and its effect on the body as a whole.
3. Identify the signs and symptoms of specific disease processes.
4. Describe the radiographic appearance of selected pathological conditions.
5. Develop a plan for patient care based on the pathology involved.
6. Plan changes in the selection of techniques to best demonstrate specific disease processes.
7. Identify a selected group of pathologies as they appear radiographically.

EVALUATION

Final Examination	<u>50</u>	%
Mid-Term	<u>25</u>	%
Projects	<u> </u>	%
Laboratory	<u>25</u>	%
Other (1)	<u>reading</u>	%
(2)	<u>as</u>	%
(3)	<u>assigned</u>	%

THE PASS MARK FOR ALL COURSES IN THE MEDICAL RADIOGRAPHY PROGRAM IS 60%
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REQUIRED TEXT(S) AND EQUIPMENT

1. Pathology for Medical Radiographers – MRAD 2207, 3307, A. McMillen, 1991
2. C.A.M.R.T. Syllabus
3. Mosby's Medical and Nursing Dictionary, C.V. Mosby Co., 1983
4. Bit Card

REFERENCE TEXTS AND RECOMMENDED EQUIPMENT

1. Medical Specialty Terminology
2. C.A.M.R.T. Syllabus
3. An Introduction to the Study of Disease, William Boyd, 1983
4. Synopsis of Analysis of Roentgen Signs in General Radiology, I. Meschan,
W. B. Saunders Co., Philadelphia, 1975

COURSE SUMMARY

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

COURSE OUTLINE
(continued)

Week Lecture or Lab Number	Material Covered	References
	Term 3	
1, 2		1, 2, 3
3, 4	The Respiratory System	1, 2, 3
5, 6	The Gastrointestinal	1, 2
7	The Liver and Biliary System	
8	Mid-Term Examination	1, 2
1	The Urogenital System	1, 2, 3
2, 3	The Cardiovascular System	1, 2
4	The Central Nervous System	1, 2
5	The Reticuloendothelial System	1, 2
6	The Endocrine System	
7	Final Examination	

COURSE OUTLINE
(continued)

Week Lecture or Lab Number	Material Covered	References
Jan. 10	Lecture: The Respiratory System Lab: The Respiratory System	Sets A/C
Jan. 11	Lecture: The Respiratory System	
Jan. 17	Lecture: The Gastrointestinal System Lab: The Gastrointestinal System	Sets A/C
Jan. 18	Lecture: The Gastrointestinal System	
Jan. 24	Lecture: The Respiratory System Lab: The Respiratory System	Sets B/D
Jan. 25	Lecture: The Respiratory System	
Jan. 31	Lecture: The Gastrointestinal System Lab: The Gastrointestinal System	Sets B/D
Feb. 1	Lecture: The Gastrointestinal System	
Feb. 7	Lecture: The Liver and Biliary System Lab: The Liver and Biliary System	Sets A/C
Feb. 8	Lecture: MID-TERM EXAM	
Feb. 14	Lecture: The Urogenital System Lab: The Urogenital System	Sets A/C
Feb. 15	Lecture: The Urogenital System	
Feb. 21	Lecture: The Liver and Biliary System Lab: The Liver and Biliary System	Sets B/D
Feb. 22	Lecture: MID-TERM EXAM	
Feb. 28	Lecture: The Urogenital System Lab: The Urogenital System	Sets B/D
Mar. 1	Lecture: The Urogenital System	
Mar. 7	Lecture: The Cardiovascular System Lab: The Cardiovascular System	Sets A/C
Mar. 8	Lecture: The Cardiovascular System	

COURSE OUTLINE
(continued)

Week Lecture or Lab Number	Material Covered	References
Mar. 14	Spring Break	
Mar. 15	Spring Break	
Mar. 21	Lecture: The Cardiovascular System Lab: The Cardiovascular System	Sets B/D
Mar. 22	Lecture: The Cardiovascular System	
Mar. 28	Lecture: The Central Nervous System Lab: The Central Nervous System	Sets B/D
Mar. 29	Lecture: The Reticuloendothelial System Lab: The Reticuloendothelial System	
Apr. 4	Lecture: The Central Nervous System Lab: The Central Nervous System	Sets A/C
Apr. 5	Lecture: The Reticuloendothelial System Lab: The Reticuloendothelial System	
Apr. 11	Lecture: The Endocrine System Lab: Lab Exam	Sets A/C
Apr. 12	Lecture: Review	
Apr. 18	Lecture: The Endocrine System Lab: Lab Exam	Sets B/D
Apr. 19	Lecture: Review	
Apr. 21	FINAL EXAM WEEK	