



Course Syllabus

Course title: Pathology for Radiographers - Part B

Class section: MRAD - 273 - X01

Term: 2025W

Course credits: 3

Total hours: 45

Delivery method: In-Person

Territorial Acknowledgement

Camosun College respectfully acknowledges that our campuses are situated on the territories of the Łłkłłłłłłłłłł (Songhees and Kosapsun) and WłSÁNEĆ peoples. We honour their knowledge and welcome to all students who seek education here.

Instructor Details

Name: Sarah Erdelyi

Email: erdelyis@camosun.ca

Instructor Statement

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

Instructor Office Hours

Office:

Hours:

Room #CHW 317 Hours: By Appointment

Course Description

Course Description:

In this advanced beginner course, students explore various gastrointestinal, urinary, reproductive, neurologic, endocrine and hematopoietic pathologies due to disease and trauma. Students study images obtained from a variety of sources illustrating the appearance of pathological conditions common to these systems. To better understand how pathology impacts patient care and technical considerations for the radiographer, students discuss and experiment with adaptive actions and plan appropriate practice responses during laboratory activities.

Prerequisites:

All of:

- C+ in MRAD 106

Pre or Co-requisites:

All of:

- C+ in MRAD 256

Course Learning Outcomes / Objectives

Upon successful completion of this course, the learner will be able to

1. Organize commonly occurring pathological conditions of the gastrointestinal, urinary, reproductive, neurologic, endocrine and hematopoietic systems by classification, etiology, pathogenesis, signs and symptoms, treatment, and imaging appearance
2. Apply knowledge of commonly occurring pathological conditions of the gastrointestinal, urinary, reproductive, neurologic, endocrine and hematopoietic systems as they pertain to the components of a radiographic examination

3. Apply knowledge of alternate imaging modalities by comparing and contrasting how various pathologies are diagnosed

Course Competencies

Canadian Association of Medical Radiation Technologists Competency Profile, Radiological Technology (2019)

Learning Outcome	CAMRT Competencies
Upon successful completion of this course, a learner will be able to:	
1. Organize commonly occurring pathological conditions of the gastrointestinal, urinary, reproductive, neurologic, endocrine, and hematopoietic systems by classification, etiology, pathogenesis, signs and symptoms, treatment, and imaging appearance.	2.2.2 Identify clinically relevant details and respond 4.2.1 Review clinical history provided relative to ordered procedure and address discrepancies 4.2.2 Verify appropriateness of the procedure RTR.3.2 Apply knowledge of pathophysiology as it relates to clinical procedures RTR.4.1 Plan imaging procedure using relevant clinical data RTR.6.3 Evaluate images for normal results and variants RTR.6.4 Recognize common pathologies, anomalies, and conditions
2. Apply knowledge of commonly occurring pathological conditions of the gastrointestinal, urinary, reproductive, neurologic, endocrine, and hematopoietic systems as they pertain to the components of a radiographic examination.	2.2.2 Identify clinically relevant details and respond RTR.3.1 Apply knowledge of cross-sectional/relational anatomy and physiology as they relate to clinical procedures RTR.3.2 Apply knowledge of pathophysiology as it relates to clinical procedures RTR.4.1 Plan imaging procedure using relevant clinical data RTR.6.4 Recognize common pathologies, anomalies, and conditions
3.	2.2.2 Identify clinically relevant details and respond

Apply knowledge of alternate imaging modalities by comparing and contrasting how various pathologies are diagnosed.	4.2.1 Review clinical history provided relative to ordered procedure and address discrepancies
	4.2.2 Verify appropriateness of the procedure
	RTR.3.1 Apply knowledge of cross-sectional/relational anatomy and physiology as they relate to clinical procedures
	RTR.3.2 Apply knowledge of pathophysiology as it relates to clinical procedures
	RTR.4.1 Plan imaging procedure using relevant clinical data
	RTR.6.4 Recognize common pathologies, anomalies, and conditions

Course Materials - Required

Eisenberg, R. L., Johnson, N. M. (2020). Comprehensive Radiographic Pathology (7th ed.). Mosby Elsevier.

Kowalczyk, N. (2022). Radiographic Pathology for Technologists (8th ed.). Mosby Elsevier

Course Delivery Hours

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture	2	14	
Lab	1	14	
		TOTAL HOURS:	42

** Please note that Camosun is standardized on a 15-week semester which, where applicable, includes a final evaluation week. When an evaluation week is not required this may create a discrepancies in total hours.

Course Schedule, Topics, and Associated Preparation / Activity

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

Week	Date	Lecture and Lab	Reading *see list of pathologies	Assignments (due 11:59 pm)
1	Jan 6	Lec: Course Introduction Lab: Review Activity	E: Appendix A	
2	Jan 13	No Class (Recruiter's Day)		
3	Jan 20	Lec: Nervous System Lab: Worksheet and Image Review	E: Ch. 4, 8 K: Ch. 12 (TBIs and hematomas), Ch. 8	
4	Jan 27	Lab first this week: pre-lab quiz 1 Lab facilitators – group 1 Lec: Endocrine	E: Ch. 10 K: Ch. 11	Lab facilitation summary due Sun., Feb. 2 – group 1
5	Feb 3	Lec: Hematopoietic Lab: Endocrine and Hematopoietic Bingo	E: Ch. 9 K: Ch. 9	
6	Feb 10	Modules Exam 1 (content from weeks 3-5)		
7	Feb 17	Reading break		
8	Feb 24	Lec: Upper Digestive Lab: Worksheet and Image Review	E: Ch. 5 K: Ch. 5	
9	Mar 3	Lab first this week: pre-lab quiz 2 Lab facilitators – group 2 Lec: Lower Digestive	E: Ch. 5 K: Ch. 5	Lab facilitation summary due Sun., Mar. 9 – group 2
10	Mar 10	Lab first this week: pre-lab quiz 3 Lab facilitators – group 3	E: Ch. 5 K: Ch. 6	Lab facilitation summary due Sun., Mar. 16 – group 3

		Lec: Hepatobiliary and Pancreatic		
11	Mar 17	Modules Exam 2 (content from weeks 8-10)		
12	Mar 24	Lec: Urinary A – Kidneys	E: Ch. 6	
		Lab: Worksheet	K: Ch. 7	
13	Mar 31	Lab first this week: pre-lab quiz 4	E: Ch. 6 K: Ch. 7	Lab facilitation summary due Sun., Apr. 6 – group 4
		Lab facilitators – group 4		
		Lec: Urinary B – Ureters and Bladder		
14	Apr 7	Lec: Reproductive	E: Ch. 11	
		Lab: Study Period	K: Ch. 10	
15	TBD	Cumulative Final Exam (content from weeks 2-14)		

Evaluation of Learning: Weighted

DESCRIPTION	WEIGHTING
Lab Worksheets and Image Reviews	ungraded
Pre-lab Quizzes (4)	15%
Lab Facilitation Summary	15%
Module Tests (2)	40%
Final Exam	30%
TOTAL:	100%

NOTE: MRAD Students must achieve at least a ("C+") or COM in all program courses.

Camosun's Grading Systems

<https://camosun.ca/registration-records/student-records/camosun-grading-systems>

Grade Reviews and Appeals

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the **Grade Review and Appeals policy** for more information.

<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

The Centre for Accessible Learning (CAL) is part of Camosun's Student Affairs unit. CAL coordinates academic accommodations and provides related programs and services to students with documented disabilities.

Students who require academic accommodations are expected to request and arrange accommodations through CAL in a timely fashion. While we understand that not all accommodation needs are known to students at the beginning of a course, accommodations cannot be provided unless the proper process is followed through CAL and an accommodation letter has been released to the instructor. Students are responsible for providing CAL with the proper documentation prior to the beginning of a course.

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced notice is required.

Deadlines can be reviewed on the CAL exams page

<https://camosun.ca/services/academic-supports/accessible-learning/academic-accommodations-exams>

Please consult the CAL webpage for more information:

<https://camosun.ca/services/academic-supports/accessible-learning>

Artificial Intelligence: A Guide for Students

Generative Artificial Intelligence (GenAI) is an evolving technology that brings potential benefits but also substantial risks. While GenAI tools have the ability to transform how we work and learn, it is essential for the college community to adapt to these changes in a thoughtful and secure way.

When using GenAI tools, students should ensure proper citation and attribution guidelines are followed. This includes acknowledging AI assistance in reports, presentations, or any external communications. Clear citation helps build trust, ensures ethical use, and reduces the risk of misinformation or copyright issues.

For citation support visit the college's citation style guide.

<https://camosun.libguides.com/cite>

Artificial Intelligence: A Guide for Students

Visit the following website to learn about AI use in academic settings.

<https://camosun.libguides.com/artificialintelligence/home>

Course Guidelines & Expectations

MRAD Program Late Policy

All quizzes and assignments are meant to provide an opportunity to deepen your understanding and connection with the learning materials. They must be submitted by dates shown on the course schedule and on D2L. Print the course calendar and check in with it often to make sure you are on

track. There may be a penalty of 10% per day applied to assignment marks. The instructor will notify you before this penalty is applied the first time. Thereafter, it will be applied automatically if homework continues to be handed in late. After one week has passed, the quiz/assignment will no longer be accepted and a score of zero will be given.

Lab Facilitation Summary

In your final academic term of the Medical Radiography Program, you bring valuable experience, knowledge, and context to contribute to meaningful classroom learning. Each student will have the chance to develop leadership skills by facilitating a lab discussion. Don't worry—this will be a guided process, and plenty of support will be provided by the instructor. After facilitating your session, you'll submit a summary of the discussion outcomes. To ensure the accuracy of your summary, you'll need to conduct research beyond the course textbooks as part of this assignment.

Exams

The course includes two non-cumulative module exams and one cumulative final exam, covering material from lectures, labs, and assignments. All exams will be conducted in person, on campus. In case of emergencies, such as health issues or unavoidable family crises, you may request to write an exam at a different time. Approval from your course instructor must be obtained before the exam date, except in situations where prior notification is impossible. Holidays or scheduled flights are not considered emergencies. Documentation verifying the emergency may be required.

School or Departmental Information

Students are required to read and are accountable for the College policies (outlined below) and practicum guidelines as described in the School of Health and Human Services (HHS) and program handbooks.

[MRAD Program Handbook](#)

Clinical and Practice Placements in HHS

<https://camosun.ca/programs-courses/school-health-and-human-services/hhs-programs/practicums>

School of Health and Human Services (HHS)

<https://camosun.ca/programs-courses/school-health-and-human-services/information-health-and-human-services-students-1#top>

Students enrolled in Allied Health & Technologies Programs must participate in learning activities that include intimate and direct personal contact with their classmates during supervised practice.

Students are training to perform the duties of a healthcare professional. These duties usually require constant, close physical contact with patients and clients. Students may be required to simulate and

perform these activities on one another during this course. Students may also be required to use special hygiene practices and protective gear to protect themselves from the transmission of communicable diseases (like COVID-19). Risks associated with learning and performing the physical duties of a healthcare profession cannot be entirely eliminated by any amount of caution or protection. Students who refuse or are incapable of participating and performing these activities due to personal or medical limitations may only continue to participate in their course work when supported by officially registered accommodations or temporary medical advisory.

Student Responsibility

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

College Policies

Academic Integrity

Students are expected to follow the college's [Academic Integrity policy](#), and be honest and ethical in all aspects of their studies. To help you understand these responsibilities review the online [Academic Integrity guide](#).

The college's [Academic Integrity policy and supporting documents](#) detail the process for addressing and resolving matters of academic misconduct.

Academic Accommodations for Students with Disabilities

If you have a documented disability and need accommodations contact the Centre for Accessible Learning (CAL). CAL will arrange the appropriate academic accommodations so you can participate in all academic activities. Visit the [CAL website](#) for more information

Academic Progress

The [Academic Progress policy](#) details how the college monitors students' academic progress and what steps are taken if a student is at risk of not meeting the college's academic progress standards.

Acceptable Technology Use

The [Acceptable Technology Use](#) policy outlines how students are expected to use college technology resources, this includes using your own devices on the college's network. The use of the college resources in a way that violates a person's right to study in an environment free of discrimination, harassment or sexual violation is prohibited.

Course Withdrawals Policy

For details about course withdrawal see the [Course Withdrawals policy](#). Be aware of the [deadlines for fees, course drop dates, and tuition refunds](#).

Grading Policy

To learn more about grading see the [Grading Policy](#).

Grade Review and Appeals

The process to request a review of grades is outlined in the [Grade Review and Appeals policy](#).

Medical / Compassionate Withdrawals

If you have experienced a serious health or personal issue, you may be eligible for a [medical/compassionate withdrawal](#). The [Medical / Compassionate Withdrawal Request form](#) outlines what is required.

Sexual Violence

If you have experienced sexual violence on or off campus, you can get support from the Office of Student Support. The Office of Student Support is a safe and private place to talk about what supports are available and your options for next steps. Visit the [sexual violence support and education site](#) to learn more or email oss@camosun.ca or phone: 250-370-3046 or 250-370-3841.

Student Misconduct (Non-Academic)

Camosun expects students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Review the [Student Misconduct Policy](#) to understand the college's expectations of conduct.

Looking for other policies? See [Camosun College Policies and Directives](#)

Services and Supports

Services are free and available to all students.

Academic Supports Centre for Accessible Learning English, Math and Science Help Centres Library Writing Centre & Learning Skills	Enrollment Supports Academic Advising Financial Aid and Awards Registration Tuition and Fees
Health and Wellness Counseling Fitness and Recreation Office of Student Support	Applied learning Co-operative Education and Career Services Makerspace

The [Centre for Indigenous Education Centre and Community Connections](#) provides cultural and academic supports for Indigenous students.

[Camosun International](#) provides supports to international students.

[The Ombudsperson](#) provides an impartial, independent service to ensure students are treated fairly. The service is a safe place for students to voice and clarify concerns and complaints.

If you have a mental health concern, contact Counselling. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

Changes to this Syllabus

Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change the course content or schedule. When changes are necessary the instructor will give clear and timely notice.