

CLASS SYLLABUS



COURSE TITLE: MRAD 256 – Relational A&P –Part B
CLASS SECTION: BX01
TERM: W2022
COURSE CREDITS: 3
DELIVERY METHOD(S): Synchronous

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.
Learn more about Camosun's [Territorial Acknowledgement](#).

<https://camosun.ca/about/covid-19-updates>

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

INSTRUCTOR DETAILS

NAME: Hong Gerow
EMAIL: gerowh@camosun.ca
OFFICE: please email
HOURS:

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.

CALENDAR DESCRIPTION

In this advanced beginner course, students complete an in-depth examination of the relational anatomy and physiology of the gastrointestinal, urinary, reproductive, neurologic, endocrine, and hematopoietic systems. Students enhance their understanding of anatomic relationships and physiologic functions using various medical imaging studies and a variety of illustrative media.

Note: Only open to students in the Medical Radiography program.

PREREQUISITE(S): **All of:** C+ in MRAD 106
CO-REQUISITE(S): Click or tap here to enter text.
PRE/CO-REQUISITE(S): Click or tap here to enter text.

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture	4	14	
Seminar			
Lab / Collaborative Learning			
Supervised Field Practice			
Workplace Integrated Learning			
Online			
		TOTAL HOURS	56

COURSE LEARNING OUTCOMES

Upon successful completion of this course a student will be able to:

- Interpret anatomical structures and relationships of the gastrointestinal, urinary, reproductive, neurologic, endocrine, and hematopoietic systems using multi-media including medical images.
- Discuss the physiological function of the gastrointestinal, urinary, reproductive, neurologic, endocrine and hematopoietic systems as they pertain to the practice of medical imaging.
- Compare and contrast the anatomic and physiologic information obtained by various medical imaging modalities.

COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

(also known as “sub-outcomes” or “learning objectives”)

Canadian Association of Medical Radiation Technologists Competency Profile, Radiological Technology (2014)

A.3.4 Utilize medical terminology in professional communication.

E.1.1 Apply knowledge of gross anatomy, relational anatomy and physiology related to the imaging of anatomical structures.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required

Patton, K. & Thibodeau, G. (2016). Anatomy & Physiology (10th ed.) Textbook. Elsevier Health Sciences.

Recommended

- Complete Anatomy App by 3D4 Medical available for download on iOS for iPhone/iPad or desktop PC
- Drake, R.L., Vogl, W., & Mitchell, A.W.M. (2015). Gray’s Anatomy for Students (3rd ed.). Churchill Livingstone.

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

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

Week	Dates	Lecture	Chapter	Assignments
1	Jan. 10-14	<ul style="list-style-type: none"> ○ Course Introduction ○ Introduction to the Nervous System ○ Nervous System Cells 	18	<ul style="list-style-type: none"> ○ Nervous System worksheet, due Jan. 23
2	Jan. 17-21	<ul style="list-style-type: none"> ○ Nerve Signaling and Neurotransmitters 	19	<ul style="list-style-type: none"> ○ Nervous System worksheet, due Jan. 23
3	Jan. 24-28	<ul style="list-style-type: none"> ○ Central Nervous System (CNS) 	20	<ul style="list-style-type: none"> ○ CNS worksheet, due Jan. 30
4	Jan. 31 – Feb. 4	<ul style="list-style-type: none"> ○ Peripheral Nervous System (PNS) ○ Autonomic Nervous System (ANS) 	21 22	<ul style="list-style-type: none"> ○ PNS worksheet, due Feb. 6 ○ ANS worksheet, due Feb. 6
5	Feb. 7-11	Midterm 1 (contents from weeks 1-4)		
6	Feb. 14-18	<ul style="list-style-type: none"> ○ Sensory Receptors and General Senses ○ Special Senses 	23 24	<ul style="list-style-type: none"> ○ Sensory Receptors and General Senses worksheet, due Feb. 20 ○ Special Senses worksheet, due Feb. 27
7	Feb. 21-25	Reading Week – No Classes		
8	Feb. 28 – Mar. 4	<ul style="list-style-type: none"> ○ Endocrine ○ Lymphatic 	25/26 27	<ul style="list-style-type: none"> ○ Endocrine worksheet, due Mar. 6 ○ Lymphatic worksheet, due Mar. 6
9	Mar. 7-11	Midterm 2 (contents from weeks 6-8)		
		<ul style="list-style-type: none"> ○ UGI 	38	<ul style="list-style-type: none"> ○ UGI worksheet, due Mar. 13
10	Mar. 14-18	<ul style="list-style-type: none"> ○ LGI ○ Digestion 	39 40	<ul style="list-style-type: none"> ○ LGI worksheet, due Mar. 20
11	Mar. 21-25	<ul style="list-style-type: none"> ○ Urinary 	42	<ul style="list-style-type: none"> ○ Urinary worksheet, due Mar. 27
12	Mar. 28 – Apr. 1	<ul style="list-style-type: none"> ○ Female Reproductive 	45	<ul style="list-style-type: none"> ○ Female Reproductive worksheet, due Apr. 3
13	Apr. 4-8	<ul style="list-style-type: none"> ○ Male Reproductive 	46	<ul style="list-style-type: none"> ○ Male Reproductive worksheet, due Apr. 10
14	Apr. 11-15	Midterm 3 (contents from weeks 9-13)		
15	Apr. 19-22	Final Exam Week – no MRAD 256 final		

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](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

STUDENT EVALUATION

DESCRIPTION	WEIGHTING
Midterm 1	26%
Midterm 2	26%
Midterm 3	26%
Assignments (13 total)	22%
	TOTAL 100%

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](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information.
<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

COURSE GUIDELINES & EXPECTATIONS

Synchronous Sessions and Course Activities

All course activities and assignments are posted in D2L. There are no synchronous lecture presentations. Students must review lectures and assignment instructions online from home. I will be available on Collaborate on **Mondays from 0830-1230** to answer questions and provide guidance. In addition to these Collaborate sessions, I can usually accommodate meeting students on short notice.

Although courses mainly held online implies that work can be self-paced, content in this course aligns to content in other courses this term. You must keep up to date (or work ahead) with course content, studying approximately 4 hours a week. Don't let struggles linger. Seek support from other students, the course instructor, other course instructors or other resources.

Print the course calendar and check in with it often to make sure you are on track.

Assignments and Late Penalties

Assignments are meant to supplement lecture material for a complete understanding of the module. Not all lecture material is included in the assignments, and not all assignment material is included in the lectures.

Assignments must be submitted by dates shown on the course schedule (Sundays at midnight). Assignments will be marked for completeness only (10 marks for fully complete, 0 marks for partially or not complete). Late submissions will still be accepted up to the next assignment's due date (usually the following Sunday). At my discretion, there may be a penalty of 10% per day applied to assignment marks for students who habitually hand in assignments late. I will notify you before this penalty is applied the first time. Thereafter, it will be applied automatically if assignments continue to be handed in late. After the due date for the next assignment has passed, the previous assignment will longer be accepted.

Midterms

There are 3 non-cumulative midterms. Material from lectures and assignments will be included. In emergency circumstances, a student may write a midterm before or after the scheduled time (health problems, unavoidable family crises, etc.). The student must request for approval of this date change from the instructor prior to the date of the exam. Holidays or scheduled flights are not considered emergencies. The student may be required to provide verification of the emergency circumstance.

SCHOOL OR DEPARTMENTAL INFORMATION

Health & Human Services Student Handbook: <http://camosun.ca/learn/school/health-human-services/student-info/index.html>

General Practicum Information: <http://camosun.ca/learn/school/health-human-services/student-info/practicum-info.html>

Allied Health & Technologies Department Handbooks:

- Certified Medical Laboratory Assistant: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/cmla.html>
- Diagnostic Medical Sonography: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/sono.html>
- Medical Radiography: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/mrad.html>

Students enrolled in Allied Health & Technologies Programs must achieve a minimum of 65% or a “COM” in each of their courses in order to use their course as a pre-requisite and progress in their program.

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.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Support Service	Website
Academic Advising	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Writing Centre	http://camosun.ca/writing-centre

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

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](http://camosun.ca/services/accessible-learning/) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized

Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca or by phone: 250-370-3046 or 250-370-3841

Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

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 courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.