

COURSE SYLLABUS



COURSE TITLE: BIOL-252: Pathophysiology for Nursing 1

CLASS SECTION: 001 and 002

TERM: Fall 2021

COURSE CREDITS: 3

DELIVERY METHOD(S):

In-person lectures: Interurban Campus, Centre for Health and Wellness

Section 001

Mondays: 11 am to 12:30 pm (341)

Thursdays: 3:00 pm to 4:30 pm (349)

Section 002

Mondays: 8:30 am to 10:00 am (340)

Thursdays: 11:30 am to 1:00 pm (348)

Online activities, assignments, and study tools will be provided on our D2L course page

For COVID-19 information please visit <https://legacy.camosun.ca/covid19/index.html>

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.

The college will be closed Sept 30 in observation of the National Day for Truth and Reconciliation. See Important Dates for all college closures: <https://camosun.ca/events/important-dates/2021-22>

INSTRUCTOR DETAILS

NAME: Dr. Megan Lewis

EMAIL: Lewism@camosun.bc.ca

OFFICE: Liz Ashton Campus Centre, room **235** (Interurban Campus)

HOURS: **Mondays:** 10:00 am to 11:00 am

12:30 pm to 1:30 pm

Thursdays: 1:00 pm to 3:00 pm

4:30 pm to 6:00 pm

Or by request at time that is convenient for your schedule – please email (Lewism@camosun.bc.ca)

Please include your **full name, student number, and course number** in your email

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

Students will examine foundational concepts of pathophysiology and then focus on specific disorders within the cardiovascular, endocrine, and nervous systems of the human body with relevance to nursing practice.

PREREQUISITE(S):

All of:

- C in BIOL 153

CO-REQUISITE(S): a

All of:

- C in NURS 232
- C in NURS 260
- C in NURS 280

EXCLUSION(S):

Not Applicable

COURSE LEARNING OUTCOMES / OBJECTIVES

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

1. Demonstrate an understanding of foundational concepts of pathophysiology.
2. Explain how and why normal physiology is altered in the pathogenesis of diseases with reference to cardiovascular, endocrine, and nervous systems.
3. Correlate diagnostic and management protocols with the pathophysiology of diseases studied.
4. Explain in simple terms the major aspects of a patient's disease to the patient.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

1. Hannon, R.A. and Porth, C.M. (2017). Porth Pathophysiology, Concepts of Altered Health States. 2nd Canadian edition. Wolters Kluwer.
2. A recently published Anatomy and Physiology textbook

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.

Section 001

Mondays: 11 am to 12:30 pm (341)

Thursdays: 3:00 pm to 4:30 pm (349)

Section 002

Mondays: 8:30 am to 10:00 am (340)

Thursdays: 11:30 am to 1:00 pm (348)

WEEK	TOPIC	QUIZZES
1	Chapters 1-3 Introduction to Pathophysiology	
2	Chapters 4-6: Cell adaptation, Injury, and Death	Quiz 1
3	Chapter 16 & 17: Mechanisms of infectious diseases	Quiz 2
4	Chapters 18 & 19: Abnormal Immune Response, Inflammation and Tissue Repair	Quiz 3
5	Exam 1: Chapters 1-6, 16-19	Quiz 4
6	Chapters 48 & 49: Neuro Intro & Pain	No Quiz
7	Chapters 21-23: Cardiovascular I	Quiz 5
8	Chapters 24-26: Cardiovascular II	Quiz 6
9	Exam 2: Chapters 48, 49, and 21 - 26	Quiz 7
10	Chapter 40: Endocrine I	No Quiz
11	Chapters 41 & 42: Endocrine II	Quiz 8
12	Chapters 50 & 51: Neurological I	Quiz 9
13	Chapters 52 & 53: Neurological II	Quiz 10
14	Seizure Disorders and EEG	Quiz 11
15	Final Exam – Date will be announced by Camosun College	No Quiz

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 noticed is required. Deadlines scan be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

EVALUATION OF LEARNING

DESCRIPTION	WEIGHTING
Video Project	3%
Quizzes	22%
Exam 1	20%
Exam 2	25%
Final Exam	30%
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](#) policy for more information.

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

COURSE GUIDELINES & EXPECTATIONS

Biology 252 is the first of two pathophysiology courses for students in the second year of the Bachelor of Science Nursing Program. The course initially focuses on foundational concepts of pathophysiology that define dysfunction of the major organ systems and then proceeds to examine specific diseases within the cardiovascular, endocrine and nervous systems of the human body. The objective is to enable students to apply theoretical knowledge to nursing practice. While the course will cover diagnosis and medical management of diseases studied, protocols related to nursing care and nursing management will be covered in nursing courses.

Tests and examinations must be written at the scheduled time unless there is a documented medical or other emergency that prevents you from doing so. In this case, you must notify the Instructor (not someone in Nursing) BEFORE the examination and submit a doctor's note that indicates the doctor's evaluation of why you were unable to write the examination. A note simply stating that you were unwell or unable to write an examination will not suffice (personal, confidential information is not required). Minor ailments are not considered valid excuses. A doctor's note is not required for COVID related illness, but it is still necessary to inform the Instructor of your inability to write a scheduled exam. Your attention is specifically drawn to Camosun's examination policy which states that examinations must be written at the scheduled time except in case of an emergency. Examinations will NOT be deferred for vacations or pre-booked flights. Examinations cannot be written before the scheduled dates or times.

Some examination questions will require return of factual information. Others will involve interpretation, assimilation and application of information often based on clinical scenarios. You can practice working through clinical scenarios by referring to your textbooks and their accompanying student resources.

Interpretation, assimilation and application of information are repeatedly undertaken in class discussions.

Attend classes regularly and pay attention to class discussions. Repeated absences from class and reliance on

notes obtained from peers will compromise success in the course. Integral to this course is the ability to demonstrate in exams the use of correct scientific/medical terminology with correct spelling. Knowledge of accepted medical abbreviations is also required. For the latter, some exam questions will use medical abbreviations and your answers will have to be written without the use of abbreviations. A penalty will be applied for incorrect spelling and use of abbreviations in answers to exam questions.

Writing examinations, completing all quizzes and other required tasks is compulsory.

Video Project topics will be assigned to each student the first two weeks of the semester. Depending on the topic, you will have a set deadline as outlined on the marking rubric provided on D2L. Late submissions will be given a 10% deduction per day until it is submitted.

Prior understanding of the physiology and associated anatomy of the organ systems being studied is essential, as this forms the basis for studying pathophysiology. Students are recommended to review relevant Anatomy and Physiology concepts on their own prior to commencement of lectures on the appropriate organ system.

Course content is made available via several sources including online lectures and discussions, textbooks, websites, and clinical practice. Many of these sources complement each other and you will have a stronger understanding if you diversify your use of these tools. This course outline lists all topics that will be studied. You are encouraged to review each topic in the textbook before class and to consolidate information obtained in lectures with that in the textbook after each class.

This course is both content and concept driven, with a large volume of new information to process. In addition, the course involves skills related to clinical information that some may not be adequately experienced in e.g. critical thinking, problem solving, assimilating and applying information, and working with clinical scenarios. Since these skills develop with practice over time, applying them regularly to course content is important. Class discussions and your textbooks are good resources for developing these skills. Refer to the online student resources accompanying the books.

According to college policy, students may not use recording devices without prior written permission from the Instructor. When the use of a recording device is sanctioned by the College's Centre for Assisted Learning in order to accommodate a student's learning challenge, the Instructor must be provided with an Instructor notification letter from the Centre for Assisted Learning that specifies the use of a recording device and a recording agreement (see Instructor for this) has to be accepted by the student regarding the following. Recordings made in class are strictly for the student's personal use only, and distribution of recorded material in any form or any forum is prohibited. All recorded materials must be permanently deleted/destroyed at the latest on the day final grades for the course are posted.

You are encouraged to consult the Instructor if you require assistance with course material.

SCHOOL OR DEPARTMENTAL INFORMATION

Ensure that you have the necessary prerequisites for Biol 252 and that you are enrolled in all co-requisite courses. Any student not enrolled in a full nursing course load for the current semester **MUST** inform the Instructor of this by September 18th. Note that Biol 153 is a prerequisite for BIOL 252 while NURS 232, NURS 260 and NURS 280 are co-requisites. These requirements are checked, and any student enrolled without them will likely be de-registered from the course if formal transfer credit or co-requisite waiver was not obtained.

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/>.

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.

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](#) (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 250-3703841

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.