

COURSE SYLLABUS



COURSE TITLE: BIOL-253: Pathophysiology for Nursing 2

CLASS SECTION: X01

TERM: Winter 2022

COURSE CREDITS: 3

DELIVERY METHOD(S):

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

Thursdays: 4:00 to 5:20 pm (350)

Fridays: 1:00pm to 2:20 pm (351)

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](#).

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.

INSTRUCTOR DETAILS

NAME: Dr. Megan Lewis

EMAIL: Lewism@camosun.bc.ca

OFFICE: CHW, 3rd floor flex space

HOURS: Thursdays 5:30 to 6:30pm; Fridays 4:00pm to 5:00pm

Or by email appointment

Please include your **full name, student number, and course and section 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 focus on the pathophysiology of specific diseases of the genitourinary, gastrointestinal, respiratory, musculoskeletal, integumentary systems of the human body. Emphasis is directed toward relevance to nursing practice.

PREREQUISITE(S):

All of:

- C in BIOL 252

CO-REQUISITE(S):

All of:

- C in NURS 233
- C in NURS 281
- C in PHIL 250

EXCLUSION(S):

Not Applicable

COURSE LEARNING OUTCOMES / OBJECTIVES

Upon successful 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 studied with reference to the gastrointestinal, respiratory, genitourinary, integumentary and musculoskeletal systems.
3. Correlate pathogenesis with diagnostic and management protocols 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

OTHER RESOURCES

Important additional course resources are made available on D2L. The website contains useful information to assist in progressing successfully through the course. It is the student's responsibility to regularly monitor and review information posted on D2L. You can access D2L from the Camosun homepage (<http://camosun.ca/>). If you experience difficulties with D2L, contact the college's Distributed Education Department (elarning@camosun.bc.ca) for assistance.

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	TOPIC	Quizzes
1 (Jan 10-14)	Course Introduction; Disorders of Gastrointestinal Function I (Chapters 36, 37)	1
2 (Jan 17-21)	Disorders of Gastrointestinal Function II (Chapters 37, 38)	2
3 (Jan 24-28)	Disorders of Respiratory Function (Chapters 27 and 28)	3
4 (Jan 31- Feb4)	Chapter 29: Disorders of Ventilation and Gas Exchange In-class review - optional	4
5 (Feb 7-11)	Exam 1 - Feb. 10th (Chapters 36-38, 27-29) Chapter 44: Disorders of the Male Reproductive System	
6 (Feb 14-18)	Chapter 46: Disorders of the Female Reproductive System Chapter 47: Sexually Transmitted Infections	5
7 (Feb 21-25)	Reading Break – No Classes	
8 (Feb 28-Mar 4)	Chapter 32: Disorders of Acid—Base Balance Chapter 33: Disorders of Renal Function	6
9 (Mar 7-11)	Chapter 34: Acute Renal Injury and Chronic Kidney Disease In-class review - optional	7
10 (Mar 14-18)	Exam 2 – Mar. 17th (Chapters 44, 46, 47, 32-34) Chapter 56: Structure and Function of the Musculoskeletal System	
11 (Mar 21-25)	Chapter 57: Musculoskeletal Function: Trauma, Infection, Neoplasms Chapter 58: Musculoskeletal Function: Developmental & Metabolic Disorders	8
12 (Mar 28-Apr 1)	Chapter 59: Disorders of Musculoskeletal Function: Rheumatic Disorders Chapter 60: Structure and Function of the Skin	9
13 (Apr 4-8)	Chapter 61: Disorders of Skin Integrity and Function	10
14 (Apr11-15)	In class review - optional	
15 (Apr 19-27)	Final Exam Period (Date: TBA)	

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>

EVALUATION OF LEARNING

DESCRIPTION	WEIGHTING
Quizzes	25
Exam 1	22.5
Exam 2	22.5
Final Exam	30
TOTAL	100%

If you have a concern about a grade you have received for an evaluation, please come and see your Instructor 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 253 is the second of two pathophysiology courses for students in the second year of the Nursing Program. The course focuses on concepts of pathophysiology by examining specific examples of diseases within the gastrointestinal, respiratory, urinary, genital, integumentary and musculoskeletal systems of the human body. The aim is to enable students to apply theoretical knowledge to nursing practice. Course coverage will include discussion of diagnoses and medical management.

Quizzes

Each quiz will be worth 2.5% with 10 quizzes in total. You will have two attempts possible; your final mark will be an average of those two attempts. If you are satisfied with the mark you receive on the first attempt and do not make a second attempt, the first attempt will be your final mark for the quiz.

There will be no time limit assigned and you may have as much time as you need to take the quizzes, within the period that the quizzes are open. You will receive your mark after completing the quiz. Once the quiz period has been completed, you will be informed which questions are incorrect, however, the correct answer will not be revealed – which will redirect you to look back through your resources to gain a better understanding of the concept.

Once the quiz has closed, you will not be able to attempt this quiz and will no longer be able to gain this mark. A copy of the quizzes will be posted to allow for practice and will not impact your original mark on the quiz.

Exams

Exam information (types of questions, material covered, duration, regulations) will be posted on D2L approximately one week before each scheduled exam date. Exams will follow a similar format to what was experienced in Biology 252. All 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.

Examination questions will require return of factual information as well as 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.

A final minimum overall course mark of 60% is required to proceed with the next level of the nursing program. Writing examinations, completing all assignments and other required tasks is compulsory.

Ensure that you have the necessary prerequisites for Biol 253 and that you are enrolled in all the co-requisite courses. Any student not enrolled in the full nursing program course load for the current semester must notify the Instructor of this by January 18th. Note that Biol 252 is a prerequisite for this course and Nur 233, Nurs 281, Nurs 243 and Phil 250 are co-requisites. These requirements are checked and any student enrolled without them will be de-registered from the course unless formal waiver has been granted.

The expectation is to read, understand and then summarize the information in your own words according to guidelines provided for each topic. Engaging in this will assist you in the practice of answering subjective questions in the examinations. There is zero tolerance for plagiarism and cheating. Further information on plagiarism and cheating is noted in the college's academic conduct policy. It is advisable to complete these assignments as soon as possible but at the latest by the time the preceding topic in the course outline is discussed in class. Do not delay completion; you will be overwhelmed closer to exam time. The assignments are not collected for evaluation but must become part of your study notes.

A very good prior understanding of the physiology and associated anatomy of the organ systems being studied is ESSENTIAL for success in this course, as this forms the basis for studying pathophysiology. Due to time constraints, Anatomy and Physiology will NOT be reviewed or re taught in this course. Students are required to review this information on their own prior to commencement of lectures on the appropriate organ system. While this is important for all students in class, those who did not complete anatomy and physiology recently (i.e. as scheduled in the nursing program for the current cohort) and students who achieved less than 75% in these courses generally find this essential. Ongoing review of foundational concepts studied in Biol 252 is also important and necessary, and is strongly recommended.

Course content is made available via several sources including lectures, class discussions, textbooks, websites, assignments and clinical practice. Do not rely exclusively on any one, or only some of these sources. Attending lectures regularly and participating in class is essential for success in this course. Relying on class notes obtained from a colleague or through other means, will generally not ensure success in this course because important discussion occurs in class to supplement the notes. This course outline lists all the topics that will be studied. You are strongly encouraged to review each topic in the textbook (based on the course schedule of topics) before classes and to consolidate information obtained in lectures with that in the textbook after each class.

BIOL 253 is both content and concept driven, with a large volume of new information to deal with. In addition, the course involves skills 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 clinical scenarios. Refer to the online resources accompanying the books.

According to current college policy, students may not use recording devices in the classroom without prior written permission from the Instructor. When the use of a recording device is sanctioned by the College's Center for Assisted Learning to accommodate a student's learning, the Instructor must be provided with an Instructor notification letter that specifies the use of a recording device and a recording agreement needs to be completed and signed by the student (contact the Instructor for this). Recordings made in the classroom under this accommodation are strictly for the student's personal use only, and distribution of recorded material in any form or on any forum is prohibited. All recorded materials must be permanently deleted/destroyed at the latest on the day following the final exam in the course. Based on the college's privacy guidelines, recordings of lectures will not be provided for asynchronous, individual study.

You are encouraged to consult the course Instructor if you require assistance. While the Instructor is willing and able to assist with understanding course content and directing you to appropriate resources, he cannot do the work for you. The responsibility lies with the student to source out and utilize resources that best suit their study needs. Do not wait until just before or after an examination to do this.

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.

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](#) (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.