



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/biol.html>

Ω Please note: the College electronically stores this outline for five (5) years only.
It is **strongly recommended** you keep a copy of this outline with your academic records.
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

1. Instructor Information

(a)	Instructor:	Ahmed Vawda		
(b)	Office Hours:	Posted on D2L		
(c)	Location:	342D		
(d)	Phone:	(250)3703479	Alternative Phone:	
(e)	Email:	vawda@camosun.bc.ca		
(f)	Website:			

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

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

1. With reference to neurological, genitourinary, gastrointestinal, musculoskeletal and integumentary disorders, explain how and why normal physiology is altered in the pathogenesis of specific diseases.
2. Correlate disease with treatment and nursing management in one's patients.
3. Explain in lay terms the major features of a patient's disease to the patient.

3. Required Materials

(a) Texts

Hannon, R.A., Pooler, C. and Porth, C.M. (2010). Porth Pathophysiology, Concepts of Altered Health States. 1st Canadian edition. Wolters Kluwer Health / Lippincott Williams & Wilkins.

OPTIONAL TEXTBOOK

Study Guide for Pathophysiology. Concepts of Altered Health States. 8th edition. Lippincott Williams & Wilkins (2009).

(b) Other

This course utilizes Desire2Learn (D2L), the college's adopted learning management system, to provide important additional resources. This source contains useful information to assist you 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/>) by clicking on Student Services and then on D2L. If you experience any difficulties with D2L, contact the college's Distributed Education Department (desupport@camosun.bc.ca) for assistance.

4. Course Content and Schedule

(This section can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

The following is a **tentative** schedule of lectures. Changes may become necessary depending on progress in class.

Week	Date	Lecture Topic
1	January 7 – 11	Gastrointestinal Disorders
2	January 14 – 18	

		Gastrointestinal Disorders
3	January 21 – 25	Gastrointestinal Disorders
4	January 28 – February 1	Gastrointestinal Disorders Respiratory Disorders
5	February 4 – 8 February 4 (17:00)	Respiratory Disorders Exam 1
6	February 11 February 12 - 15	Family Day Respiratory Disorders
7	February 18 – 20 February 21 and 22	Respiratory Disorders Reading Break
8	February 25 – March 1	Urinary / Genital disorders
9	March 4 – 8 March 4 (17:00)	Urinary / Genital disorders Exam 2
10	March 11 – 15	Urinary / Genital disorders
11	March 18 – 22	Urinary / Genital disorders Integumentary disorders
12	March 25 – 28 March 29	Integumentary disorders Good Friday
13	April 1 April 2 – 5	Easter Monday Musculoskeletal disorders
14	April 8 – 12	Musculoskeletal disorders
15 / 16	April 15 – 23	Final Examination

COURSE CONTENT

GASTROINTESTINAL DISORDERS

Inflammatory disorders

Appendicitis
Peritonitis

Inflammatory bowel disease

Ulcerative colitis
Crohn's disease

Irritable bowel syndrome

Diverticular disease

Herniations

Hiatus hernia
sliding
rolling
Inguinal hernia

Peptic ulcer disease

Hepatitis

viral hepatitis A, B and C
autoimmune hepatitis, Types I & II

Cirrhosis

including portal hypertension and ascites

Cholelithiasis
Acute pancreatitis

Cancers

Colorectal cancer (**self-study, see D2L for guidelines**)
Liver cancer
Pancreatic cancer

Infant disorders (synopsis of each of the following)

Cleft lip and cleft palate
Pyloric stenosis
Gastro-esophageal reflux
Tracheo-esophageal fistula
Hirschprung disease
Intussusception

RESPIRATORY DISORDERS

Chronic obstructive pulmonary disease (COPD)
chronic bronchitis
emphysema
asthma (including early and late phase responses)

Disorders of lung inflation
atelectasis
pleural effusion

Pulmonary vascular disorders
pulmonary edema
pulmonary embolism
pulmonary hypertension
acute respiratory distress syndrome (ARDS)

Respiratory failure

Respiratory tract infections
pulmonary tuberculosis (**self-study, see D2L for guidelines**)
influenza
pneumonia
the common cold and rhinosinusitis (**self-study, see D2L for guidelines**)

Lung cancer
small cell lung cancer
small cell carcinoma
non small cell lung cancer
squamous cell carcinoma
adenocarcinoma
large cell carcinoma

Cystic fibrosis

URINARY AND GENITAL DISORDERS

Male

Benign prostatic hyperplasia (BPH)
Prostate cancer

Female

Menstrual disorders (self-study, see D2L for guidelines)

Pelvic inflammatory disease (PID)

Cancers

Breast
ductal carcinoma in situ
infiltrating ductal carcinoma

Ovary
Uterus
Cervix

Renal

Pyelonephritis
Glomerulonephritis (GN)
acute proliferative GN (e.g. acute postinfectious GN)

IgA GN (Berger disease)
chronic GN

Lower urinary tract infection (UTI)
Renal calculi
Urinary incontinence
Cancers

Renal cancer (**self-study, see D2L for guidelines**)
Bladder cancer (**self-study, see D2L for guidelines**)

Renal failure

acute
chronic

Sexually transmitted diseases

Genital herpes
Genital warts
Syphilis
Chlamydial infections
Gonorrhoea
HIV / AIDS

INTEGUMENTARY DISORDERS

Eczema and dermatitis (**self-study, see D2L for guidelines**)

Cellulitis
Psoriasis

Skin cancer

basal cell carcinoma
squamous cell carcinoma
malignant melanoma

MUSCULOSKELETAL DISORDERS

Fractures
description by type, pattern & appearance
healing

Osteoporosis
Gout

Osteoarthritis

Rheumatoid arthritis
Systemic lupus erythematosus (**self-study, see D2L for guidelines**)

Muscular dystrophy

Bone cancer
primary
osteosarcoma
chondrosarcoma
fibrosarcoma
secondary

5. Basis of Student Assessment (Weighting)

(This section should be directly linked to the Intended Learning Outcomes.)

Exam 1 (February 4 th 17:00)	25 %
Exam 2 (March 4 th 17:00)	30 %
Assignments	5 %
Comprehensive final exam (college exam period)	40%

SELF-STUDY ASSIGNMENTS

Eight topics listed in the course content involve self-study and will not be covered in lectures. These assignments are an important learning tool providing valuable experience in understanding, assimilating and rewriting medical information. **They are the student's responsibility and are examinable.** All required information on self-study topics can be obtained from the textbooks and guidelines on how to approach each topic will be posted on the Desire2Learn (D2L) web resource. These assignments must be individual efforts and information should not be taken *verbatim* from the textbook or other sources because that is considered plagiarism. You are expected to read, understand and then summarize the information in your own words as per the guidelines for each topic. It is advisable to complete these self-studies as soon as

possible but at the latest by the time the preceding topic in the course outline is discussed in class. Do not leave completion or submission to the last day in case you experience technical problems.

Two of the eight assignments (colorectal cancer and pulmonary tuberculosis) have to be completed and posted **(in word or pdf format only)** into the D2L dropbox by 10 AM on the appropriate closing date shown in the table below. Although you are not required to submit the remaining six assignments, they have to be completed and included in your notes because information from each assignment is examinable. The two submitted assignments will be evaluated for accuracy and completeness and awarded a maximum of 2.5% each (5% of the overall course mark). **Late submissions will not be accepted. Printed copies and emailed submissions are also not acceptable.** If you are using an Apple computer, convert your files to PDF and check that they open on a PC before submitting them into the D2L dropbox. **Any file format that cannot be accessed on a PC will be considered as "assignment not submitted" and will receive zero.**

Any plagiarized or copied assignments will be assigned zero. Information from all eight assignments will be included in tests and exams. It is therefore in your own interests to complete ALL self-study assignments as directed and on time.

Final submission dates for colorectal cancer and pulmonary tuberculosis assignments (by 10 AM)	
Colorectal cancer	January 28 th
Pulmonary tuberculosis	February 25 th

Note that writing all exams and completing all required tasks is compulsory. Even though a final course mark of 60% and above might be achieved, if all required activities are not satisfactorily completed, a failing grade may be assigned for the course.

Tests and examinations must be written at the scheduled time unless there is a documented, serious medical or other emergency that prevents you from doing so. In such a case, **you must notify the Instructor (and 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 exam will not suffice. Minor ailments are not considered valid excuses. Your attention is specifically drawn to the examination policy in the College calendar which states that examinations must be written at the scheduled time except in cases of emergencies. Exams will NOT be deferred for holidays or pre-booked flights. Examinations cannot be written BEFORE the scheduled date and time.**

6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services, and the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED