



## 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:	Dr Ahmed Vawda		
(b)	Office Hours:	Posted on D2L		
(c)	Location:	E236		
(d)	Phone:	(250) 3703301	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

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. 9th edition. Lippincott Williams & Wilkins (2014).

#### OTHER RESOURCES

This course utilizes Desire2Learn (D2L) 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/>). If you experience any difficulties with D2L, contact the college's Distributed Education Department ([desupport@camosun.bc.ca](mailto: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.)

Week	Date	Lecture Topic
1	January 6 – 10	Gastrointestinal Disorders
2	January 13 – 17	Gastrointestinal Disorders
3	<b>January 20</b> January 20 – 24	<b>Colorectal cancer</b> <b>assignment due</b> Gastrointestinal Disorders
4	January 27 – 31	Gastrointestinal Disorders Gastrointestinal Disorders
5	February 3 – 7	Respiratory Disorders Respiratory Disorders
6	February 10 <b>February 11</b> February 11 – 12	Family Day <b>TB assignment due</b> Respiratory Disorders
7	February 13 – 14 February 17 – 21	Reading Break Respiratory Disorders

8	<b>February 24</b>	<b>Midterm exam</b>
	February 24 – 28	Urinary / Genital disorders
9	March 3 – 7	Urinary / Genital disorders
10	<b>March 10</b>	<b>Menstrual disorders</b>
	March 10 – 14	<b>assignment due</b>
		Urinary / Genital disorders
11	March 17 – 21	Urinary / Genital disorders
		Integumentary disorders
12	March 24 – 28	Integumentary disorders
13	March 31 - April 4	Musculoskeletal disorders
14	April 7 – 11	Musculoskeletal disorders
15 / 16	April 14 – 25	Final Examination

**COURSE CONTENT**  
**GASTROINTESTINAL DISORDERS**

- Inflammatory disorders
  - Diverticular disease
  - Irritable bowel syndrome
  - Peritonitis
  - Appendicitis
  - Inflammatory bowel disease
  - Ulcerative colitis
  - Crohn's 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 1, 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**

- Respiratory tract infections
  - pulmonary tuberculosis (**self-study 2, see D2L for guidelines**)
  - influenza
  - pneumonia
  - the common cold and rhinosinusitis (**self-study 3, see D2L for guidelines**)<sup>8</sup>

- 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
- Lung cancer
  - small cell lung cancers
  - non small cell lung cancers
  - 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 4, 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) 9

- Renal calculi
- Urinary incontinence
- Cancers
  - Renal cancer (**self-study 5, see D2L for guidelines**)
  - Bladder cancer (**self-study 6, see D2L for guidelines**)
- Renal failure
  - acute
  - chronic
- Sexually transmitted diseases
  - Genital herpes
  - Genital warts
  - Syphilis
  - Chlamydial infections
  - Gonorrhea
  - HIV / AIDS

### INTEGUMENTARY DISORDERS

- Eczema and dermatitis (**self-study 7, see D2L for guidelines**)
- Cellulitis
- Psoriasis
- Skin cancer
  - basal cell carcinoma
  - squamous cell carcinoma
  - malignant melanoma

### MUSCULOSKELETAL DISORDERS

- Osteoporosis
- Gout
- Osteoarthritis
- Rheumatoid arthritis
- Systemic lupus erythematosus (**self-study 8, see D2L for guidelines**)
- Muscular dystrophy
- Bone cancer
  - primary
    - osteosarcoma
    - chondrosarcoma
    - fibrosarcoma
  - secondary
- Fractures
  - description by type, pattern & appearance
  - healing

#### 5. Basis of Student Assessment (Weighting)

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

Assignments	15 %
Midterm Exam (February 24th)	40 %
Comprehensive final exam (college exam period)	45%

#### 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](http://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 3<sup>rd</sup> 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](http://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