



## 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:	F342D		
(d)	Phone:	250 370-3479	Alternative Phone:	
(e)	Email:	Vawda@camosun.bc.ca		
(f)	Website:	D2L		

### 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. First Canadian edition. Wolters Kluwer Health / Lippincott Williams & Wilkins.

#### OPTIONAL TEXTBOOK

Study Guide for Pathophysiology. Concepts of Altered Health States. Eighth 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.bc.ca>) by clicking on Programs/Courses and then on Online Courses (D2L). If you experience any difficulties with D2L, contact the 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.)

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

Week	Date	Lecture Topic
1	January 9 – 13	Gastrointestinal Disorders
2	January 16 – 20	

		Gastrointestinal Disorders
3	January 23 – 27	Gastrointestinal Disorders
4	January 30 – February 3	Gastrointestinal Disorders Respiratory Disorders
5	<b>February 6</b> February 6 – 10	<b>Exam 1</b> <b>Respiratory Disorders</b>
6	February 13 - 17 <b>February 16 and 17</b>	Respiratory Disorders <b>Reading Break</b>
7	February 20 – 24	Respiratory Disorders
8	February 27 – March 2	Urinary / Genital disorders
9	<b>March 5</b> March 5 – 9	<b>Exam 2</b> Urinary / Genital disorders
10	March 12 – 16	Urinary / Genital disorders
11	March 19 – 23	Urinary / Genital disorders Integumentary disorders
12	March 26 – 30	<b>Integumentary disorders</b>
13	April 2 – 6 April 6	Musculoskeletal disorders Good Friday
14	April 9 April 10 – 13	Easter Monday Musculoskeletal disorders
15 / 16	April 16 – 24	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 (**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  
the common cold and rhinosinusitis (**self-study, see D2L for guidelines**)  
influenza  
pneumonia  
pulmonary tuberculosis (**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)
- rapidly progressive GN (e.g. Goodpasture syndrome)
- membranous GN
- minimal change GN
- IgA GN (Berger disease)
- chronic GN
- Lower urinary tract infection (UTI)
- Renal calculi
- Urinary incontinence
- Cancers
  - Renal (**self-study, see D2L for guidelines**)
  - Bladder (**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.)

### EVALUATION

Exam 1 (February 6 <sup>th</sup> 08:30)	25 %
Exam 2 (March 5 <sup>th</sup> 08:30)	35 %
Comprehensive final exam (college exam period)	40%

Eight topics listed in the course content involve self-study and will not be covered in lectures. These mini 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. While these mini assignments are not submitted for evaluation, they should be individual efforts and information should not be taken *verbatim* from the textbook or other sources. For these assignments 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.

## 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. (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.)
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