



## 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:	E236		
(d)	Phone:	250 370-3301	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. 1<sup>st</sup> Canadian edition. Wolters Kluwer; Lippincott Williams & Wilkins.

#### OPTIONAL TEXTBOOK

Study Guide for Pathophysiology (2014). Concepts of Altered Health States. 9<sup>th</sup> edition. Lippincott Williams & Wilkins.

Any recent Anatomy & Physiology textbook.

### 4. Course Content and Schedule

Week	Date	Lecture Topic
1	January 5 – 9	Gastrointestinal Disorders
2	January 12 – 16	Gastrointestinal Disorders
3	<b>January 21</b> January 19 – 23	<b>Colorectal cancer assignment due</b> Gastrointestinal Disorders
4	January 26 – 30	Gastrointestinal Disorders Respiratory Disorders
5	February 2 – 6	<b>Respiratory Disorders</b>

6	February 9	Family Day
	February 10 – 11	Respiratory Disorders
	February 12 – 13	Reading Break
7	February 16 – 20	Respiratory Disorders
	<b>February 18</b>	<b>TB assignment due</b>
8	<b>February 23(17:00-18:20)</b>	<b>Midterm exam</b>
	February 23 – 27	Urinary / Genital disorders
9	March 2 – 6	Urinary / Genital disorders
10	March 9 – 13	Urinary / Genital disorders
11	March 16 – 20	Urinary / Genital disorders
		Integumentary disorders
12	March 23 – 27	<b>Integumentary disorders</b>
13	March 30 - April 2	Musculoskeletal disorders
	April 3	Good Friday
14	April 6	Easter Monday
	April 7 – 10	Musculoskeletal disorders
15 / 16	April 13 – 21	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**)  
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 cancer  
    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 4, see D2L for guidelines)**

Pelvic inflammatory disease (PID)  
Cancer  
    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  
Cancer  
    Renal and bladder cancer (**self-study 5, 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 6, 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 7, see D2L for guidelines)

### Muscular dystrophy

Bone cancer

primary

osteosarcoma  
chondrosarcoma  
fibrosarcoma

secondary

Fracture

description by type, pattern & appearance

healing

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

Assignments (late or non-submission assigned 0)	15 %
Midterm Exam (February 23 <sup>rd</sup> , 17:00-18:20)	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