

	<p>School of Arts & Science BIOLOGY DEPARTMENT BIOL 253 Pathophysiology for Nursing 2 Quarter or Semester/Year</p>
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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:	As posted		
(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

Porth, C.M. and Matfin, G. (2009). *Pathophysiology. Concepts of Altered Health States*. 8th edition Lippincott Williams & Wilkins.

OPTIONAL TEXTBOOK

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

(See nursing applications course package for details of other required textbooks. Some of those books will also be required for parts of the pathophysiology component of the course).

OTHER RESOURCES

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 your 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 "Online Services" and then on "Online Courses". 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 6 – 8	Gastrointestinal Disorders
2	January 11 - 15	Gastrointestinal Disorders
3	January 18 – 22	Gastrointestinal Disorders
4	January 25 – 29	Gastrointestinal Disorders Respiratory Disorders
5	February 1 – 5	Respiratory Disorders
6	February 8 - 12	Respiratory Disorders
7	February 15 – 19 February 18 and 19	Respiratory Disorders Reading Break
8	February 22 – 26 February 27 (09:00)	Urinary / Genital disorders Pathology Midterm Exam
9	March 1 – 5	Urinary / Genital disorders
10	March 8 – 12	Urinary / Genital disorders
11	March 15 – 19	Urinary / Genital disorders
12	March 22 – 26	Integumentary disorders
13	March 29 – April 1 April 2	Musculoskeletal disorders Good Friday
14	April 5 April 6 – 9	Easter Monday Musculoskeletal disorders
15 / 16	April 12 – 20	Final Examination

COURSE CONTENT
GASTROINTESTINAL DISORDERS

Inflammatory disorders

Appendicitis
Peritonitis

Inflammatory bowel disease

Ulcerative colitis
Crohn's disease

Irritable bowel syndrome

Diverticular disease (**self-study**)

Herniations

Hiatus hernia
sliding
rolling
Inguinal hernia

Peptic ulcer

Hepatitis (viral)

hepatitis A, B and C

Cirrhosis

including portal hypertension and ascites

Cholelithiasis
Acute pancreatitis

Infant disorders (synopsis of each of the following)

Cleft lip and cleft palate (**self-study**)
Pyloric stenosis
Gastro-esophageal reflux
Tracheo-esophageal fistula
Hirschprung's disease
Intussusception

Cancers

Colorectal (**self-study**)
Liver cancer
Pancreatic cancer

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**)
 influenza
 pneumonia
 pulmonary tuberculosis (**self-study**)
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)

Pelvic inflammatory disease (PID)
Cancers
 Breast
 ductal carcinoma in situ
 infiltrating ductal carcinoma
 Ovary
 Uterus
 Cervix

Renal

Pyelonephritis
Glomerulonephritis
 acute proliferative GN
 rapidly progressive GN

- membraneous GN
- minimal change GN
- IgA GN
- chronic GN

Lower urinary tract infection (UTI)

- Renal calculi
- Urinary incontinence
- Cancers
 - Renal (**self-study**)
 - Bladder (**self-study**)

Renal failure

acute
chronic

Sexually transmitted diseases

- Genital herpes
- Genital warts
- Syphilis
- Chlamydia
- Gonorrhea
- HIV / AIDS

INTEGUMENTARY DISORDERS

Eczema and Dermatitis (**self-study**)

- 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**)

Muscular dystrophy

Bone cancer

- primary
 - osteosarcoma
 - chondrosarcoma
 - fibrosarcoma

- secondary

Information on self-study topics can be found in your textbook. Guidance on how to complete each self-study topic is posted on D2L.

5. Basis of Student Assessment (Weighting)

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

EVALUATION

Midterm Exam pathophysiology (Saturday, Feb 27 th , 09:00)	32%
Midterm Exam nursing applications (see nursing course package for date)	8%
Nursing Applications Assignment	15%
Self-studies	5%
Comprehensive Final exam (college exam period)	40%

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. (For these courses a final grade will be assigned to either the 3 rd 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.

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