



School of Health Education and Human Services

NURS 1103

Pathophysiology

Term: Winter 2022

Number of Credits: 3



Course Outline

INSTRUCTOR: Liris Smith

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COURSE DESCRIPTION

The knowledge of anatomy and physiology is related to the causes, treatment, and usual courses of illness. Learners are provided with a body systems approach to common health care issues, focusing on physiological changes that occur with alterations in biological health.

COURSE REQUIREMENTS

Prerequisite(s):

ENGL100 Academic Writing and Critical Thinking

ELCC 125 Interpersonal Relationships and Communication Skills

ANAT1101 Anatomy and Physiology

NURS1101 Nursing Arts

NURS1202 Nursing Foundation 1

NURS1301 Mathematical Principles of Medication Administration

Corequisite(s):

NURS 1102 Applied Pharmacology

EQUIVALENCY OR TRANSFERABILITY

See Bow Valley College transferability information @ <https://bowvalleycollege.ca/student-resources/academic-services/transfer-credits>.

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to...

- Analyze the effects of disease processes on specific body systems from a pathophysiological perspective
- Discuss the etiology, clinical manifestations, tests and treatments of common disorders in the major body systems
- Apply the Conceptual Framework to alterations in health

COURSE FORMAT

Delivery format

This course will include a total of 45 hours of on-line learning, videoconference classes, in-person sessions and exams. A combination of synchronous (virtual real-time class meetings through Zoom and in-person) and asynchronous (web-based via Moodle) learning activities are provided. Learning activities may include but are not limited to facilitator-led learning, projects, and on-line exercises.

ASSESSMENTS

COURSE LEARNING OUTCOME(S)	ASSESSMENT	WEIGHT
1, 2, 3	Learning Activity	10%
1, 2, 3	Exam 1	30%
1, 2, 3	Exam 2	30%
1, 2,, 3	Exam 3	30%

Important: For details on each assignment and exam, please see your Course Offering Information.

An overall minimum final mark for this course must be 64%, letter grade C, grade point value of 2.0 to pass this course. Please consult with your program area or contact your program chair for further details.

A minimum Grade Point Average of 2.0 is required for graduation.

GRADE	PERCENTAGE	GRADE POINT	DESCRIPTION
A+	95-100	4.0	Exceptional: superior knowledge of subject matter
A	90-94	4.0	Excellent: outstanding knowledge of subject matter
A-	85-89	3.67	
B+	80-84	3.33	
B	75-79	3.0	Very Good: knowledge of subject matter generally mastered
B-	70-74	2.67	
C+	67-69	2.33	
C	64-66	2.0	Satisfactory/Acceptable: knowledge of subject matter adequately mastered
C-	60-63	1.67	

D+	57-59	1.33	
D	50-56	1.0	Minimal Pass
F	Less than 50	0.0	Fail: an unsatisfactory performance

COURSE WITHDRAWAL INFORMATION

Refer to the YukonU website for important dates.

TEXTBOOKS & LEARNING MATERIALS

VanMeter, K. C., & Hubert, R. J. (2018). *Gould's pathophysiology for the health professions* (6th ed.). Elsevier.

RELATED COURSE REQUIREMENTS

It is highly recommended that all students have access to a computer or other device and Internet to do their studies. The minimum specifications for a student device are as follows:

Requirement	Windows-based PC	Apple Mac/macOS-based PC
Operating System	Windows 10	macOSX
Web Browser	Firefox, Edge or Google Chrome	Firefox, Edge or Google Chrome
RAM/Memory	4GB	4GB
Storage	5GB of available space	5GB of available space

ACADEMIC INTEGRITY

Students are expected to contribute toward a positive and supportive environment and are required to conduct themselves in a responsible manner. Academic misconduct includes all forms of academic dishonesty such as cheating, plagiarism, fabrication, fraud, deceit, using the work of others without their permission, aiding other students in committing academic offences, misrepresenting academic assignments prepared by others as one's own, or any other forms of academic dishonesty including falsification of any information on any Yukon University document.

Please refer to Academic Regulations & Procedures for further details about academic standing and student rights and responsibilities.

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon University Academic Regulations (available on the Yukon University website). It is the student's responsibility to seek these accommodations by contacting the Learning Assistance Centre (LAC): LearningAssistanceCentre@yukonu.ca.

TOPIC OUTLINE

Introduction to Pathophysiology

Inflammation and Healing
Neoplasms and Pain
Fluid and Electrolyte Disorders
Cardiovascular System Disorders
Respiratory System Disorders
Nervous System Disorders
Endocrine System Disorders
Gastrointestinal System Disorders
Infection and Immunity
Immune Process
Urinary System Disorders
Musculoskeletal System Disorders
Integumentary System Disorders
Hematological and Lymphatic Disorders

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