



COURSE OUTLINE

ANAT 1101 **ANATOMY AND PHYSIOLOGY**

6 CREDITS

PREPARED BY: Sue Starks, Instructor/Coordinator Practical Nurse Program
DATE: August 3, 2020

APPROVED BY: Name, Title
DATE: Click or tap to enter a date

APPROVED BY SENATE: Click or tap to enter a date
RENEWED BY SENATE: Click or tap to enter a date

APPLIED ARTS DIVISION
ANAT 1101
Anatomy and Physiology
6 Credits
Fall, 2020

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ANATOMY AND PHYSIOLOGY

INSTRUCTOR: Liris Smith
OFFICE LOCATION: Off-site
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TELEPHONE: 668-8845 (HEHS Admin)

OFFICE HOURS:
CLASSROOM: TBA
TIME:
DATES: Sept 1- Dec 15, 2020

COURSE DESCRIPTION

This comprehensive course introduces the structure of the human body and its relationship to the function and integration of the twelve body systems as well as how they work to maintain homeostasis. Learners will gain an in depth understanding of the organization of the human body from the chemical and cellular level to the tissues, organs and organ systems. This course will also facilitate understanding of the terminology associated with the human body.

PREREQUISITES

None

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	macOS X
Web Browser	Firefox, Edge or Google Chrome	Firefox, Edge or Google Chrome
RAM/Memory	4 GB	4 GB
Storage	5 GB of available space	5 GB of available space

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...

- Demonstrate knowledge and comprehension related to structure of the human body.
- Demonstrate knowledge and comprehension related to the function of the human body.
- Use appropriate anatomical terminology in identifying and describing the different structures of the human body
- Explain how the organs and systems affect the maintenance of homeostasis
- Describe the interdependency of the twelve human body systems

COURSE FORMAT

This course will include a total of 90 hours of on-line learning, videoconference classes, and a final exam. A combination of synchronous (virtual real-time class meetings through Zoom) and asynchronous (web-based via Moodle) learning activities and a limited number of in-person classes are provided. Learning activities may include but are not limited to facilitator-led learning, projects, in-class and on-line exercises.

ASSESSMENTS

COURSE LEARNING OUTCOME(S)	ASSESSMENT	WEIGHT
1, 2, 3, 4, 5	Learning activities	15%
1, 3, 5	Exam 1	25%
1, 2, 3, 4, 5	Exam 2	30%
1, 2, 3, 4, 5	Exam 3	30%

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

Grading will be according to the Bow Valley College letter grade template (below). An overall minimum final mark for this course must be **64%, letter grade C. A grade point value 2.0 is required 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

REQUIRED TEXTBOOKS AND MATERIAL

Thompson, G. (2019). *Understanding anatomy & physiology: A visual, auditory, interactive approach* (3rd ed.). Philadelphia: F.A. Davis Co.

Thompson, G. (2019). *Workbook to accompany understanding anatomy & physiology: A visual, auditory, interactive approach* (3rd ed.). Philadelphia: F. A. Davis Co.

ACADEMIC AND STUDENT CONDUCT

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/ Admissions & Registration web page.

PLAGIARISM

Plagiarism is a serious academic offence. Plagiarism occurs when a student submits work for credit that includes the words, ideas, or data of others, without citing the source from which the material is taken. Plagiarism can be the deliberate use of a whole piece of work, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Students may use sources which are public domain or licensed under Creative Commons; however, academic documentation standards must still be followed. Except with explicit permission of the instructor, resubmitting work which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the University.

YUKON FIRST NATIONS CORE COMPETENCY

Yukon University recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon University program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukonu.ca/yfnccr.

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. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC): lac@yukonu.ca.

TOPIC OUTLINE

Part 1: Overview of basic structure and function of the human body

- Organization
- Chemistry
- Cells
- Tissues
- Integumentary system
- Introduction to body systems
- Introduction to fluid, electrolyte and acid base balances

Part 2: Comprehensive review of structure and function of the human body

- Nervous system
- Endocrine system
- Blood and cardiovascular system
- Respiratory system
- Lymphatic system and immunity
- Urinary system
- Fluid, electrolyte and acid base balances
- Digestive, nutrition and metabolism
- Skeletal system
- Muscular system
- Sensation and sense organs
- Reproductive system