

APPLIED ARTS DIVISION
School of Health, Education, and Human Services
Fall, 2019



COURSE OUTLINE

ANAT 1101

ANATOMY AND PHYSIOLOGY

**90 HOURS
6 CREDITS**

PREPARED BY: Sue Starks

DATE: July 29, 2019

APPROVED BY:

DATE:

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ANATOMY AND PHYSIOLOGY

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|--|-------------------------------|
| INSTRUCTOR: Liris Smith | OFFICE HOURS: by appointment |
| OFFICE LOCATION: Off-site | CLASSROOM: A2712 |
| E-MAIL: ismith@yukoncollege.yk.ca | TIME: Tues & Fri 0900 -1200 |
| TELEPHONE: 668-8845 (HEHS Admin) | DATES: Sept. 6 - Dec 13, 2019 |

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

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 the 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 be a total of 90 class hours plus a final exam. Classes include but are not limited to: facilitator-led learning, peer-to-peer projects, in-class and home exercises.

EVALUATION

| Learning outcomes | Assessment Strategy | Weight |
|-------------------|---------------------|--------|
| 1, 2, 3, 4, 5 | Learning activities | 10% |
| 1, 3, 5 | Midterm exam 1 | 25% |
| 1, 2, 3, 4, 5 | Midterm exam 2 | 30% |
| 1, 2, 3, 4, 5 | Final exam | 35% |
| Total | | 100% |

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

GRADING SCHEME

| GRADE | PERCENTAGE | GRADE POINT | DESCRIPTION |
|-------|------------|-------------|--------------|
| A+ | 95-100 | 4.0 | Exceptional |
| A | 90-94 | 4.0 | |
| A- | 85-89 | 3.67 | Excellent |
| B+ | 80-84 | 3.33 | |
| B | 75-79 | 3.0 | |
| B- | 70-74 | 2.67 | Good |
| C+ | 67-69 | 2.33 | |
| C | 64-66 | 2.0 | |
| C- | 60-63 | 1.67 | Satisfactory |
| D+ | 57-59 | 1.33 | |
| D | 50-56 | 1.0 | Minimal Pass |
| F | 0-49 | 0.0 | Fail |

A Grade Point Average of 2.0 is required for graduation.

A minimum grade of D / 50% is required to pass this course. However, your program may require a higher grade in this course for you to progress in the program and to graduate. Please refer to your individual Program Content Guide or contact your program coordinator for further details.

REQUIRED TEXTBOOKS AND MATERIALS

Thompson, G. (2015). *Understanding anatomy & physiology: A visual, auditory, interactive approach. (2nd ed.)*. Philadelphia: F.A. Davis Co.

Thompson, G. (2015). *Workbook to accompany understanding anatomy & physiology: A visual, auditory, interactive approach. (2nd 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 students submit 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 College.

YUKON FIRST NATIONS CORE COMPETENCY

Yukon College 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 College program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukoncollege.yk.ca/yfnccr.

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 College Academic Regulations (available on the Yukon College 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) at: lac@yukoncollege.yk.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