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BIOL 1220: Human Anatomy and Physiology 2

EFFECTIVE DATE

October 2020

DEPARTMENT

UT Sciences

DESCRIPTION

This course and its companion course, Human Anatomy and Physiology 1, deal with the relationship between structure and function in human biology. Lectures continue an investigation of the role of the major organ systems of the human body. Laboratory activities examine anatomical relationships and the physiological functioning of human organs.

CREDITS

4.0

YEAR OF STUDY

1st Year Post-secondary

PREREQUISITES

BIOL 1120 with a minimum 'C' grade

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Identify anatomical components of the human body including tissue types, parts of the skeleton, muscle groups and organ structures.
- Explain the relationship between structure and function in human organ systems.
- Apply anatomical and physiological principles to the practice of dental hygiene and nursing.
- Assess the influence of selected pathological conditions on functioning of the human body.
- Discuss interactions between major physiological systems of the body.
- Conduct scientific experiments, analyze data and prepare professional scientific reports.

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 60

Lab: 60

INSTRUCTIONAL STRATEGIES

The course mixes lectures, laboratory activities and seminars. Laboratory activities include microscopic examination of cells, tissues and organ structures, investigations of human anatomy, and experiments in the functioning of the respiratory and circulatory systems.

GRADING SYSTEM

Letter Grade (A-F)

PASSING GRADE

D

EVALUATION PLAN

Type	Percentage	Assessment activity
Exam	60	3 written exams, each worth 20% of grade
Exam	15	3 laboratory exams, each worth 5% of grade
Assignments	25	at least 3 assignments which will include at least 1 laboratory report and 1 written report

COURSE TOPICS

- Integument
- Skeletal and Muscular Systems
- Respiratory System
- Circulatory System (exercise physiology)
- Lymphatic System and Immunity
- Digestive System (nutrition)
- Excretory System (homeostasis and acid-base chemistry)

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

Broadway campus

1155 East Broadway
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Downtown campus

250 West Pender Street
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Annacis Island campus

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Generated at: 8:15 am on Apr. 10, 2021