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BIOL 1120: Human Anatomy & Physiology 1

EFFECTIVE DATE

March 2018

DEPARTMENT

UT Sciences

DESCRIPTION

This course and its companion course, Human Anatomy and Physiology 2, deal with the relationship between structure and function in human biology. Lectures emphasize basic concepts in biology and 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

Biology 11, Biology 12, Chemistry 11, Precalculus 11, all with at least a C+ or Active registration with the College of Licensed Practical Nurses of British Columbia

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, experiments in the functioning of the human senses, and muscles, as well as dissections of selected organs.

GRADING SYSTEM

Letter Grade (A-F)

PASSING GRADE

D

EVALUATION PLAN

Type	Percentage	Assessment activity
Assignments	25	at least 3 assignments which include at least 1 laboratory report and 1 written report
Exam	15	3 laboratory exams (5% each)
Exam	60	3 written exams (20% each)

COURSE TOPICS

- Biochemical Concepts in Biology
- Cell Biology
- Histology
- Nervous System (components, anatomy of nerves, brain structure and function, neural and synaptic transmission, drugs and anaesthesia)
- Sensory Systems
- Endocrine System
- Reproductive System
- Pregnancy and Development

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
Vancouver, B.C. Canada
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Downtown campus

250 West Pender Street
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Annacis Island campus

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