



COURSE OUTLINE

Course Name: Pre-Health Sciences Biology 2

Course Number: BIOL 1225

Number of Credits: 2.5

Effective Date: Jan 2, 2017

Course Description:

This course is the second of two biology courses in the Pre-Health Sciences Program. It provides an introduction to the study of anatomy and physiology of humans and reviews the major themes of anatomy and physiology from Pre-Health Sciences Biology 1. This course subsequently studies a number of human systems in greater depth including the circulatory system, lymphatic system, immune system, respiratory system, digestive system, urinary system, and human growth and development. This course will describe physiological functions that contribute to health and/or disease.

Pre-Health Sciences Biology 1 and 2 combine to give the equivalent of NURS 1602 plus additional material.

School or Centre:

Arts and Science

Year of Study:

1st Year Post-secondary

Course History:

New Course

Name of Replacing Course (if applicable):

Course Pre-requisites (if applicable):

Pre-Health Sciences Biology 1 with at least a C-

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

Challenge exam or other method of assessment may be possible

Instructional Strategies:

This course primarily uses lecture-based instruction. Classes will also utilize some combination of discussions, case studies, animations and videos, clicker questions, on-line assignments and resources, and group work.

Course Learning Outcomes:

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

1. Comprehend and appropriately use anatomical terminology.
2. Identify and locate organs responsible to specific functions.
3. Describe the structure, and explain the relationship between structure and function in each organ system.
4. Describe physiological processes that occur in each organ system.

Program Learning Outcomes:

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

1. Confidently choose a Health Sciences career path appropriate to their interests;
2. Use computers and other technological tools to perform related tasks;
3. Discuss and apply a variety of Math, Biology, and Chemistry concepts as they relate to health care;
4. Interact with others in groups and teams in ways that contribute to effective working relationships and support Interprofessional Collaboration;
5. Communicate clearly and concisely in the written and spoken form in relation to health studies;
6. Utilize problem solving and critical thinking skills that are essential for success in health sciences programs;
7. Acquire depth and breadth of knowledge through the exploration of multiple health sciences courses and an elective course.

Evaluation/Grading System

Grading System	Specify if 'Other':	Specify Passing Grade:
Letter Grades		D

Components and Weighting of the Assessment/Evaluation Plan:

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Quizzes/Tests	35	Unit-based; Approximately 5 quizzes
Midterm Exam	25	Cumulative; 1
Final Exam	30	Cumulative; 1
Assignments	10	Assignments and Learning Activities
Total		100

Learning Environment/Type

Instruction Type	Hours Per Instruction Type	Comments
L - Classroom	48	
Total		48

Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

Course Topics:

Review of the major themes from Pre-Health Sciences Biology 1
The cardiovascular system
The lymphatic system
The immune system
The respiratory system
The digestive system
The urinary system
The reproductive system
Pregnancy and human development

VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about/governance--policies/policies/>

To find out how this course transfers, visit the BC Transfer Guide at www.bctransferguide.ca.

FOR COMMITTEE USE ONLY

Approved by Curriculum Committee:	February 21, 2017	Approved by Education Council:	March 14, 2017
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