

Hong Kong Adventist College

Anatomy & Physiology I

BIOL 111

Course Syllabus

Fall Semester 2009

Class Times

Lectures: M, W, Th, 14:30-15:20 Rm 205

Laboratory: Tu 2:30-5:20 Bio Lab

Instructors

Course Coordinator: Karen Leung

Course Instructors: Dr Barbara Choi, Karen Leung

Lab Instructor: Carol Yip

Contacts

Barbara Choi: bchoi48@pacific.net.hk; #96443640

Karen Leung: karenmayleung@hotmail.com; #62539399

Carol Yip: cyhero@hotmail.com; #62840366

Office Hours

Barbara Choi: M-Th 10:30-13:20 Rm 109

Karen Leung: M, W 10:30-12:00 Rm 109

Textbook

Waugh A, Grant A: Ross & Wilson Anatomy and Physiology in Health and Illness; Churchill Livingstone, 2006 (10th edition)

Course Description & Objectives

This course is the first part of a 2-semester sequence designed to provide a foundational knowledge and understanding of the structure and function of the human organism. The course is especially designed to meet the needs of students interested in the Health Sciences but also may be of interest to general education students.

What Students are Expected to Do

Students are expected to do the following, all of which should contribute to learning:

1. Faithfully and carefully study the text, class notes, and other course materials;
2. Faithfully attend and carefully listen to lectures and laboratory instruction and participate in class activities;
3. Actively participate in laboratory activities;
4. Faithfully and carefully prepare for, and take all scheduled tests at the scheduled times.

Attendance

This class will comply with the “Class Absences” policy of Hong Kong Adventist College. Record is taken and punctual attendance is expected at both lectures and laboratories. Absences are excused only if one of the following applies: a) death in the family, b) illness with a written statement from a physician, c) road accidents on the way to school.

Evaluation

Tests & final exam:	60%
Laboratory reports:	30%
Attendance and participation:	10%

Grade Assignments

Final semester letter grades will be assigned according to the following scale:

A	95-100%	C+	70-74%
A-	90-94%	C	65-69%
B+	85-89%	C-	60-64%
B	80-84%	D+	55-59%
B-	75-79%	D	50-54%

Academic Honesty

Even generally honest people are tempted to cheat on an occasional test. To reduce this temptation, the following policies will be in effect during a quiz, test or final exam.

1. If the meaning of a question is unclear to you, please feel free to raise your hand and quietly ask for clarification when the teacher comes to you.
2. As much as possible, sit with at least one seat between you and your neighbour. Avoid sitting where you can easily see a paper over the shoulder of the person sitting in front of you.
3. Keep your eye on your own paper.
4. Talking, whispering, or otherwise communicating is unacceptable.
5. Electronic devices such as laptops, iPods, MP3 players will not be allowed in the room. Turn off your phone.
6. Once started, remain in the room until you have completed filling out your paper.
7. When you finish your test, please keep quiet to enhance the concentration of your fellow classmates.
8. Any form of cheating is unacceptable. Expect zero tolerance for such behaviour. Rather, we urge you to strive for nobility and honour.

Lecture and Laboratory Schedule

September	1	<i>Orientation to the course and lab</i>
	2	Section I: The body and its constituents
	3	Chapter 1: Introduction to the human body
	7	The internal environment and homeostasis
	8	<i>Body organization and the microscope</i>
	9	Survival needs of the body
	10	Introduction to the study of illness
	14	Chapter 2: Introduction to the chemistry of life
	15	<i>Enzyme action and membrane permeability</i>
	16	Atoms, Molecules and compounds
	17	Movement of substances within the body
	21	Chapter 3: The cell, tissues and organization of the body
	22	<i>Cell structure and cell cycle</i>
	23	Organization of the body
	24	Disorders of cells and tissue
	28	Test 1 Section II: Communication
	29	<i>Histology</i>
	30	Chapter 4: The blood – cellular content
October	5	Erythrocyte disorders
	6	<i>Blood and blood typing</i>
	7	Haemorrhagic disease
	8	Chapter 5: The cardiovascular system
	12	Vital signs
	13	<i>Heart structure, blood pressure, and pulse rate</i>
	14	Fetal circulation
	15	Shock
	19	Blood vessel pathology
	20	<i>Regulation of heart function</i>
	21	Diseases of the heart
	22	Chapter 6: The lymphatic system
	28	Video
	29	Video
November	4	Chapter 7: The nervous system
	5	Brain
	9	Test II
	10	<i>The nervous system</i>
	11	Peripheral nervous system
	12	Autonomic nervous system
	16	Disorders of the brain
	18	Developmental abnormalities
	19	Chapter 8: The special senses
	23	Ear, eye, smell, and taste
	24	<i>Sensory receptors</i>

	25	Disorders of the eye
	26	Disorders of the ear
	30	Chapter 9: The endocrine system
December	2	Pituitary and it's disorders
	3	Thyroid and it's disorders
	9	Adrenal and it's disorders
	10	Diabetes Mellitus
	16	Final Exam

Please note:

Lab sessions are indicated by italics