

Basic Course Information

Semester	Fall 2015	Instructor Name	Samuel David
Course Title & #	BIOL 090; Anatomy and Physiology for Health Sciences	Email	sam.david@imperial.edu
CRN #	10024	Webpage (optional)	
Room	2725	Office	2772
Class Dates	8/17/2015 – 12/11/2015	Office Hours	MTWTh: 0510-0610pm
Class Days	TR	Office Phone #	(760) 355-6298
Class Times	0615-0740	Office contact if student will be out or emergency	Department Secretary (760) 355-6155
Units	3		

Course Description

Introductory study of the structure and function of the human organism. Class is structured health occupation students. It is not acceptable for pre-medical, pre-dental, pre-chiropractic, pre-physical therapy or Registered nursing students and it is open to students who have completed BIOL 200, BIOL 202, BIOL 204 Or BIOL 206 with a grade of "C" or better.(Non-transferable, for AA/AS degree only)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Be able to accurately explain how major organ systems work.
2. Apply one's knowledge of the major organ systems to solve problems based on materials and situations not explicitly covered in lectures.
3. Keep up to date with materials that are covered in class.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Identify the basic organization of the human body from very simple to more complex levels.
2. Describe the basic structure and function of cells, tissues, and membranes.
3. Describe the basic organization, structure and function of each of the body's eleven organ systems.
4. Define the concept of homeostasis and describe some examples of homeostatic mechanisms in the body.
5. Describe the components of nutrition and what constitutes a healthy diet.
6. Describe the basics of human reproduction, development and heredity.
7. Describe some of the health issues related to each of the body's organ systems.
8. Discuss changes within the human organism due to aging process.

Textbooks & Other Resources

Required Textbook: Essentials of Human Anatomy and Physiology
Saladin and McFarland (1st Edition)
ISBN: 978-0-07-749676-0

Course Requirements and Instructional Methods

Lectures are essential part of this course. In order to pass this class students must attend the lectures. Students are also expected to complete all assignments, take all exams, participate in any field trips or other class related activities.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Your grade is based on the points you get in lecture exams. You are expected to keep track of your progress during the course.

Your grade for the semester is based on:

4 Exams – 100 points each (400 Points)

Final Exam – 100 Points.

Class Assignments – 50 Points (Total)

Attendance

Required language

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor. **Consider**: specifics for your class/program

- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

Required Language

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Help – Discretionary Section and Language

The instructor can add the information pertinent to his or her class here. Some suggested language:

- Blackboard support center:
<http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- Learning Labs: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- Library Services: There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Required Language: Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313, if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Required Language: Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Required Language: Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy

Required Language: Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated Class Schedule / Calendar

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Imperial Valley College
Fall 2015

BIOL 090 (CRN # 10024) **Anatomy and Physiology for Health Sciences**

Course Description: Introductory study of the structure and function of the human organism. Class is structured for health occupation students. It is not acceptable for pre-medical, pre-dental, pre-chiropractic, pre-physical therapy or registered nursing students and it is not open to students who have completed BIOL 200, BIOL 202, BIOL 204 or BIOL 206 with a grade of “C” or better. (Non-transferable, for AA/AS degree only).

Lecture : Tue/Thur: 0615-0740

Room: 3212

Add/Drop/Withdrawal Dates: Students are responsible for meeting these deadlines.

Attendance and Tardy policy: Class attendance and tardy policy follows the regulations in the IVC catalog. It is appreciated if advance notice of absence can be given. Please make every effort to be on time for the lecture. Five minutes after the lecture starts will be considered as tardy. If you have more than **THREE absences you may be asked to drop the class at the instructor's discretion.**

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DPS & S) office as soon as possible.

PLEASE NO FOOD OR DRINKS IN THE CLASSROOM.

PLEASE TURN OFF YOUR CELLPHONES/iPODs IN CLASS AS A COURTESY TO YOUR CLASSMATES AND YOUR INSTRUCTOR(If you are on call please notify me).

Use of cell phone by the students in the classroom is absolutely prohibited. Students who violate this rule will be asked leave the classroom.

**Grading Scale: A= 90-100%
B= 89-80%
C= 79-70%
D= 69-60%
F= Below 59%**

Grading Policy:

Exams (400 Points):

There will be FOUR exams during the course, each worth 100 points. There will be NO MAKE-UP EXAMS.

Final Exam (100 Points):

The final exam must be taken as scheduled to receive a passing grade. In case of illness or other valid excuse for which there is a written documentation, please notify me as soon as possible so that I could make suitable arrangements.

Quizzes will be given periodically at the beginning of the class. If you are late you cannot take the quiz.

Points you earn in the exams, quizzes, class assignments and any home work will contribute towards your overall grade in the class for the semester. **STUDENTS ARE RESPONSIBLE FOR KEEPING TRACK OF THEIR ACADEMIC PROGRESS DURING THE COURSE.**

Attendance is required. Roll will be taken at the beginning/end of the class. Students are expected to be in the class until the class is dismissed by the Instructor. If you have been marked absent, your assignment for that day will not be graded.

**Textbook: Essentials of Anatomy and Physiology (First Edition)
Saladin, McFarland and Sullivan
ISBN # 978-0-07-245828-2**

Tentative Lecture Schedule

WEEK	DAY	DATE	LECTURE TOPIC
1	Tues	8-18	Introduction; Ch.1
	Thur	8-20	Ch. 2 Life, Matter and Energy
2	Tues	8-25	Ch.2 (Continued)
	Thur	8-27	Ch.3 Cytology- cellular Level of Organization
3	Tues	9-1	EXAM 1
	Thur	9-3	Ch. 4 Histology- The Tissue Level of Organization
4	Tues	9-8	Ch. 4 (Continued)
	Thur	9-10	Ch.5 The Integumentary System
5	Tues	9-15	Ch. 5 (Continued)
	Thur	9-17	Ch. 6 The Skeletal System
6	Tues	9-22	Ch. 6 (Continued)
	Thur	9-24	EXAM 2
7	Tues	9-29	Ch.7 The Muscular System
	Thur	10-1	Ch.7 (Continued)
8	Tues	10-6	Ch.8 The Nervous System I
	Thur	10-8	Ch.9 The Nervous System II
9	Tues	10-13	EXAM 3
	Thur	10-15	Ch. 10 The Sense Organs
10	Tues	10-20	Ch. 11 The Endocrine System
	Thur	10-22	Ch. 11 (Continued)
11	Tues	10-27	Ch.12 The Circulatory System-I
	Thur	10-29	Ch.13 The Circulatory System -II
12	Tues	11-3	EXAM 4
	Thur	11-5	Ch.14 The Lymphatic System and Immunity
13	Tues	11-10	Ch.14 (Continued)
	Thur	11-12	Ch.15 The Respiratory System
14	Tues	11-17	Ch.16 The Urinary System
	Thur	11-19	Ch.17 The Digestive System
15	Tues	11-24	HOLIDAY
	Thur	11-26	HOLIDAY
16	Tues	12-1	Ch.18 Nutrition and Metabolism
	Thur	12-3	Ch.18 (Continued)
17	Tues	12-8	Review
	Thur	12-10	FINALS

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