

## Course Syllabus

**Spring 2014**

Instructor: Rosalba Jepson, MSN, RN

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**Phone:** (760)-355-6294    **Office:** 2130

**Course Title:** Anatomy & Physiology for Health Professionals (BIOL 90)

**Course Number:** 20212                      **Credit Units:** 3.0 units                      **Room** 810

**Class Schedule:** Tuesday                      **Time:** 1:30 PM – 4:40 PM

**Length of Class:** Jan. 21 – May 13, 2014                      **Deadline to Drop with “W” - 4/12/14**

### **Required and/or Recommended Materials:**

Text: *Essential of Human Anatomy & Physiology*. Saladin & McFarland. McGraw Hill

Mandatory: Scantrons for exams and quizzes

### **Course Description:**

This class is an introductory study of the structure and function of the human organism. The 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. (Nontransferable, AA/AS degree only). **Prerequisites:** None required.

### **Student Learning Outcomes:**

Upon completion of this course, the successful student will have acquired new skills, knowledge and attitudes as demonstrated by the following objectives:

### **Measurable Course Objectives and Minimum Standards for Grade of “C”:**

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 during normal maturation and throughout the aging process.
2. Briefly describe the structure and function of cells, tissues, membranes, glands and organs; including a description of the properties of the integument
3. Describe the organization, function and major disorders of the skeletal, muscular and nervous systems.
4. List the structure, function and homeostatic regulation of the organs of special senses and the endocrine system.
5. Describe the major components of the homeopathic system and the interrelated control of circulation.
6. Relate the mechanisms of respiration to the body’s homeostasis and identify specific and nonspecific body defenses; natural and acquired immunity.
7. Define metabolism, catabolism, nutrition and digestion and relate these processes to normal digestive and renal function.
8. Describe human reproduction, heredity and common hereditary disorders.

### **Core Content of BIOLOGY 90 to be Covered in all Sections:**

1. The introduction to the human body related to chemistry and matter of life
2. Body cells and their functions as related to tissues, glands and membranes, disease production organisms and the integumentary system.
3. The organization of the body:
  - a. The muscular system
  - b. The nervous system
  - c. The skeletal system
4. Structure, function and homeostatic regulation of the organs:
  - a. The sensory system
  - b. The endocrine system
5. Major components of the homeopathic system
  - a. The homeopathic system
  - b. The cardiovascular system
6. Mechanisms of respiration and body defenses
  - a. The lymphatic system
  - b. The body's defense mechanisms
  - c. The respiratory system
7. Normal digestion and renal function
  - a. The digestive system; metabolism, nutrition and metabolic rate
  - b. The urinary system and body fluids
8. The reproduction and heredity
  - a. The reproduction system
  - b. Heredity and hereditary disorders

**GRADING CRITERIA:** Letter grade only

#### **Grades Scale:**

A	90 - 100%
B	80 - 89%
C	70 - 79%
D	60 - 69%
F	59% or less

#### **Grading Policy:**

- There will be five exams each worth 100 points
- Final exam includes cumulative and comprehensive questions, total of 100 points.
- There will be one quiz, worth 30 points.
- **Please do be absent on exam days. There will be NO make ups for exams or quizzes.**  
The instructor reserves the right to review extreme cases, ONLY if notified in advance .

#### **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.

## **DSPS&S - Disabled Student Program and Services**

Any student with a documented disability who may need educational accommodations should notify the instructor or the **Disabled Student Program and Services** office as soon as possible. The DSP&S is located in room 2117, in the Health Science Building (2100). Contact number is: (760)-355-6313, if you feel you need to be evaluated for educational accommodations.

## **Student Counseling and Health Services**

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.

## **Attendance Policy:**

- Class attendance and tardy policy will follow the regulations in the IVC Catalog.
- 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.
- Attendance will be taken at the start of each lecture class. If you are not in the classroom when roll call is taken you will be considered absent or tardy (which ever applies). Students returning late/ or not returning to class after the break will be considered late or absent for the remainder of the class, which ever applies.
- Regular attendance in all classes is expected of all students. Students are expected to attend the full instructional periods of lecture until dismissed by the instructor or risk being counted as tardy. 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.
- Please notify the instructor **in advance** if you will be absent. It is the student's responsibility to obtain any missed assignments or notes if you have been absent.
- It is your responsibility to drop before any deadline. Deadline for dropping with a "W" is: **April 12, 2014**
- Students are encouraged to keep track of their progress and standing grades in the class.

## **Information Literacy**

Imperial Valley College is dedicated to help 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/>

## **Student Rights and Responsibilities**

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](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

### 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 Dishonesty.

- Plagiarism is to take and present 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 correctly 'cite a source', 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, or assisting others in using materials, which 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) use of a commercial term paper service

### Additional Help.

- 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 Learning Services (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 learning center, study rooms for small groups, and online access to a wealth of resources.

### Instructor's Office hours:

Day	Office hours	Hours by appointment
Mon.	1:30 – 2:30 pm	
Tue.	8:30 – 10:30 am	10:30 – 12:00 Not on campus.
Wed.	4:30 - 5:30 pm	
Thur.	2:30 - 3:30 pm	
Fri.	3:00 -4:00 pm	
E-mail: <a href="mailto:rosalba.jepson@imperial.edu">rosalba.jepson@imperial.edu</a> Ph.# 760-355-6294 Office: #2130		

# BIOLOGY 90

**INSTRUCTOR:** Rosalba Jepson  
**SPRING 2014**  
**CRN#: 20212**

**LECTURE:** 1:30 - 4:40 pm  
**ROOM:** 810

## Anticipated Class Schedule / Calendar:

WK	DAY	LECTURE	Reading
1	Tue. 1/21	Introduction Ch.1 – Why Study Anatomy & Physiology?	Pg. 1-30
2	Tue. 1/28	Ch.2 – Life, Matter Energy <b>Quiz ch 1:</b> (Anatomical positions)	Pg. 31-60
3	Tue. 2/4	Ch 3: Organization of Cell	Pg. 63-94
4	Tue. 2/11	Ch 4: Histology- Organization of Tissue	Pg. 97-126
5	Tue. 2/18	Ch 5 – Integumentary System <b>Exam #1</b> (ch 1-4)	Pg. 129 - 145
6	Tue. 2/25	Ch 6 – Skeletal System	Pg. 149 - 200
7	Tue. 3/4	Ch 7 - Muscular System	Pg. 207 - 250
8	Tue. 3/11	Ch 8 - Nervous System (Tissue & Spinal Cord) <b>Exam #2</b> (ch 5-7)	Pg. 255 - 285
9	Tue. 3/18	Ch 9, 10 – Nervous System (Brain) & Senses	Pg. 288 - 360
10	Tue. 3/25	Ch 11 – Endocrine System <b>Exam #3</b> (ch 8-10)	Pg. 363 - 388
11	Tue. 4/1	Ch 12, 13 – Circulatory System (Blood & Circulation)	Pg. 391 - 467
12	Tue. 4/8	Ch 14, 15– Lymphatic and Respiratory System <b>Exam #4</b> (ch 11-13)	Pg. 470 - 526
13	Tue. 4/15	Ch 16 – Urinary System	Pg. 529 - 560
14	Tue. 4/22	<b>SPRING BREAK - NO CLASS</b>	
15	Tue. 4/29	Ch 17,18 – Digestive System and Nutrition <b>Exam #5</b> (ch 14-16)	Pg. 563 - 628
16	Tue. 5/6	Ch 19, 20 - Reproductive System and Development	Pg. 631 - 526
17	Tue. 5/13	<b>FINAL EXAM</b> <b>Final exam</b> (includes ch 17-20, plus comprehensive)	

### EXAM POINTS:

5 Chapter Exams	500
1 quiz	30
Final Exam	100
<b>Total Points:</b>	<b>630</b>