



Evergreen Valley College
Spring 2012



Biology 20 - Human Biology
Sections 203 / 204 – Registration ID 63371 / 63372

Tues. / Thurs.

5:30 p.m. Lecture
4 & 7 p.m. Lab. sections
Office Hours: 3:30 – 4 p.m. (T/Th)

Instructor: Mr. Gene Dorsa

Office: S108
email: cleen63@aol.com
website: <http://evc-cit.info/~dorsa/>

Description

Biology 20 is a general education course that satisfies the general education laboratory science requirement. It is also transferable credit in the CSU and UC systems and given four units of credit.

Human Biology will explore the organization, structure and function of the human organism. Basic human anatomy: (structure) and physiology (function) including the following content areas:

metabolism, homeostasis, cellular metabolic processes, skeletal system, muscular system, nervous system, endocrine system, respiratory system, digestive system, circulatory system and the uro-genital system, genetics, diseases of the human, graphing, scientific processes, micro biological organisms, organization and levels of the formation of the human organism.

In addition, the student of Human Biology will be expected to recognize and identify the major structures (anatomy) and functions (physiology) and interaction of the above systems.

From your background in biology, you will be asked to formulate conclusions, make inferences and construct a logical model to explain the units--lab reports.

Texts:

Human Biology, Concepts and Current Issues, Johnson (required)
6th Edition, ISBN – 125616979X
(One copy on library reserve for 2 hr. checkout)

Course Syllabus, Dorsa (Revision 1.1) (required)
(not on reserve, must purchase)

Strongly recommended purchase:

1. Highlighter pen
2. Colored pencils
3. Flash cards (3 x 5)

EVC Philosophy:

Evergreen Valley College, built by the community, translates the instructional needs of that community into educational experiences available to all. It encourages students to develop their unique capacities as individuals in personal, academic, social, and occupational efforts. Everyone is responsible for learning - this is a community effort.

EVC Goals:

1. To provide a variety of learning experiences and the self-development necessary of individual students to reach their educational goals.
2. To organize and present a program of community services to citizens of all ages, which provide rewarding learning and enriching experiences.
3. To offer a variety of learning activities.
4. To provide an environment in which faculty and staff carry out their commitment to assist students.
5. To provide an environment for students and staff which fosters identity and individuality.
6. To provide counseling and guidance services which enable students to establish personal goals and academic achievement consistent with those goals.
7. To provide support services necessary for students to remain in college and achieve their educational goals.

Student Learning Objectives - -Lecture:

- Organization and regulation of the body systems to keeping the internal environment constant (Homeostasis).
- Demonstrate basic understanding of the anatomy and physiology of the human body at the cellular, tissue, organ, and system levels.
- Develop a working vocabulary in the area of human biology



- Demonstrate an understanding of the major tissues, organs and organ systems found in the body.
- Develop a basic understanding of human diseases.

Student Learning Objectives - -Laboratory

- Learn to work safely and effectively in a laboratory setting.
- Be able to work with simple laboratory equipment used to investigate the human body tissues, such as the microscope, surgical tools, bunsen burners, digital scale etc.
- Develop analytical skills required to Differentiate between invalid and valid conclusions based on collected data (Use the scientific method).
- be able to identify the major tissues, organs and organ systems found in the body. An understanding of the basics of the 'Metric and the Standard system of measurement.
- Understand the basic structure, basic chemistry, and function of cells including diffusion, osmosis, mitosis, and meiosis.
- Understand the physiology of the digestive system including digestion and elimination.
- Monitor and analyze basic energy requirements and intakes.
- Understand the physiology of the circulatory system including: blood pressure, heart rate, heart sounds, etc.
- Understand the physiology of the urogenital system including reproduction.
- Understand and describe blood typing
- Understand respiratory physiology including respiratory volumes.
- Understand and describe the results of a urinalysis.
- Understand the physiology of the nervous system (sensory, motor including reflex mechanisms).
- Study Mendelian genetics with emphasis on human heredity and genetic diseases. Discuss genetic testing, research, and bioethics.



Attendance

Students are expected to attend all lectures and laboratory sessions. Official attendance will be taken once a week in lecture via the JOHNSON chapter questions. In laboratory, attendance will be taken from the quiz taken each week and at laboratory practicum. **YOU MUST BE PRESENT IN LECTURE TO RECEIVE CREDIT FOR JOHNSON HOMEWORK.**

Semester Paper (100 points)

Every truly academic course should require students researching and writing some form of semester paper. The student of Human Biology will be required to write a Research Paper on a selected topic. During the first week of laboratory we will cover the guidelines for the research paper.

The purpose of this assignment is to give the student the freedom to explore topics in biology that are not typically discussed due to the lack of time, instructor interest, and so on, As your instructor I will do my best in directing you to qualified biological resources and attempt to answer any of your scientific questions.

Homework:

Each week from your Johnson text, you will submit the following two sections from the chapter of interest for that week:

“terms you should know”

“concept review”

Homework will be due at the beginning of lecture of the due date and will be credited to your grade ONLY if you are physically present for lecture that day.

Please note: you may email this assignment as an attachment as long as you send it to me stamped no later than midnight of the due date.

Lab. quizzes:

Each week in laboratory, you will have a quiz covering the material of the week before. Expect about 24 questions and will be worth 1 point each. **IF YOU TAKE ALL THE QUIZZES, I WILL DROP THE QUIZ WITH THE LOWEST PERCENTAGE.**



Course components:

- Lecture
 - laboratory
 - dissections
 - 2 lab practicum exams
 - one final comprehensive practicum
 - laser curriculum: daily basis and exams
 - biological drawings
 - weekly lab quizzes
 - 2 midterm examination
 - one comprehensive final examination
- one research paper on a human body condition / disease

Grading Scale:

Your grade is based upon your total points earned and I weight your performance by category importance. It is very important that you turn in all work that is required.

Grading breakdown is as follows and will be posted with updates each week and always posted on my website – (<http://evc-cit.info/~dorsa>) take control of your progress!!

90 - 100%	A RANGE
80 - 89%	B RANGE
70 - 79%	C RANGE
55 - 69 %	D RANGE



Grades by category weight

Lab quizzes	20%	Lab practicums	20%
Final practicum	10%	Midterms	20%
Final exam	10%	Research paper	10%
Lab. assignments / Johnson Homework		10%	

Make-up exams:

**** Written exams and quizzes are very difficult to make up. If there is an emergency, please call me ahead of time if possible. Make up exams will be allowed only with a verified doctors excuse or from the office of dean of math and science.**

***** LAB PRACTICUMS ARE NOT ABLE TO BE MADE UP*****

Disqualification:

Disqualification will follow the rules outlined by the admissions office in the general information section of the schedule of classes. Disqualification will also occur with excessive tardies or absences determined by the instructor.

It is the responsibility of each student to initial the attendance form at each class meeting.

Academic dishonesty will not be tolerated and dealt with appropriately. If you're unsure whether your action violates the EVC Academic Honesty Policy please check with me before continuing.

Withdrawal from class:

See your class schedule for important drop and withdrawal dates. It will be the student's responsibility to complete the necessary paperwork for a drop or withdrawal at the office of admission and records with the official dates.

Academic regulations and classroom policies:

1. Cheating will not be tolerated.
2. No recording devices are allowed in class.



3. No visitors or children are allowed in class without prior permission from the dean of math and science.
4. Paging devices, cell phones etc to be turned off sound during class time – lab. or lecture. – Let’s talk cell phones a bit.

Special Accommodations

If you have a learning or physical need that requires special accommodations in this class, please make an appointment with the Disabilities Support Program in room SC-120 and notify me during the first week of class. The DSP staff and I will work cooperatively to ensure your equal access to learning materials, supportive services, and appropriate accommodations as early in the semester as possible. For more information or to make a counseling appointment to request services, visit the Disabilities Support Program office in the Student Services Building, room SC-120 or call (408) 270-6447 Voice or (408) 238-8722 TDD.

Academic Honesty

Studies have shown that working in groups can improve performance in science classes, so students are encouraged to form study groups to work outside of class. However, students should remember to do their own work and take their own tests. Cheating on tests or copying someone else’s work is not allowed as it adversely affects and impedes student learning. During a quiz or test, students are not to look at other students’ work or talk to other classmates. Doing so can result in receiving zero points on the test or quiz. If students do not understand directions, they should ask the instructor for clarification.

Please note: In order to succeed and attain a firm understanding of the course content, students must complete their own work. This will ensure that every student is graded fairly. Using another student’s work as one’s own will only hamper the learning process. Thus, if students are caught cheating the first time, they will be warned of the consequences, and their work will receive zero points. If students are found cheating the second time, their names will be forwarded to the Dean of Math, Science and Engineering. It is essential that students perform their own work to solidify what they are learning in the course.

Campus Safety

Offenses, accidents, and all emergencies that occur on campus should be reported to Campus Police at (408) 270-6468 or District.Police@sjeccd.org. Red emergency call-boxes are available at various locations to contact Campus Police. Emergency call-boxes are marked by blue signs and blue lights for easy visibility. For further Campus Safety information, please visit <http://www.evc.edu/safety/emergency.htm>.

Important Dates – Spring 2012

January 30 (Monday)	SPRING SESSION BEGINS
February 10 (Friday)	LAST DAY TO DROP spring session classes for a refund of eligible fees
February 12 (Sunday/11 pm)	LAST DAY TO ADD via MYWEB using Add codes for spring session classes
February 13 (Monday)	Census Day
February 17-20	Holiday: Presidents Day, campus closed.
February 24 (Friday)	LAST DAY TO DROP spring session classes without receiving a “W” on record LAST DAY TO APPLY for a refund of enrollment fees if classes were dropped on or before February 10, 2012 LAST DAY TO SUBMIT Credit/No Credit forms to the Office of Admissions and Records
March 2 (Friday)	Graduation/Certificate Petitions for spring/summer 2012 due in the Office of Admissions and Records
March 23 (Friday)	Professional Development Day, no classes held
April 2- 5	Spring Break, no classes held
April 6 (Friday)	Cesar Chavez Day, no classes held
April 7-8	No classes held
April 26 (Thursday)	LAST DAY TO DROP spring session classes and receive a “W” on record
May 18 (Friday)	English final exams – no regular DAY classes meet. Friday evening classes will meet as scheduled.
May 24 (Thursday)	San Jose City College Commencement
May 25 (Friday)	Evergreen Valley College Commencement
May 25 (Friday)	SPRING SESSION ENDS
June 6 (Wednesday)	Spring 2012 grades available online at http://MyWeb.sjeccd.edu

Let's have a great semester together!!!

