

**BIO 116 – BIOLOGY: HUMAN PERSPECTIVE
– FALL 2014 –**

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BIO 116—BIOLOGY: HUMAN PERSPECTIVE 4 Units

Recommended for Success: Satisfactory prior completion of ENGL 50 and (MATH 70 or qualification by the MJC Assessment process.)

An introduction to the principles of biology with an emphasis on humans. Topics covered include scientific method, cell structure and function, biochemistry, metabolism, heredity, biotechnology, evolution, anatomy and physiology of the human body, development of aging, disease, and ecology. BIO 116 is recommended for allied health students. Field trips may be required.

(A-F or CR/NC) Lecture/Lab. **Transfer:** CSU, UC **General Education:** (MJC-GE: A) (CSU-GE: B2) (IGETC: 5B)

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Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
1:15-2:45 PM	10:30-11: 30 AM	1:15-2:45 PM	10:30-11: 30 AM	

Textbooks / Material Required:

Ward, D.G. (2014) Synopsis of Human Biology. Available free from my website:

<http://www.dgward.com/>

Monlux, M., Ward, D.G., et. al. (2014) Laboratory Exercises for Human biology. Available free from my website:

<http://www.dgward.com/>

MJC Course Learning Outcomes: Students successfully completing BIO 116 will be able to:

1. Understand basic structure and function of humans and living organisms.
2. Understand genetic, molecular, biochemical, and evolutionary aspects of human biology.
3. Understand the scientific method, physiology, and environment aspects of human biology.

Grading: Grades are assigned based on points earned in written exams and quizzes, laboratory exercises, and in a final exam, as follows:

1. 500 points – Exams 1-5 (100 points each: 80 points Scantron (882), 20 points fill-ins)
2. 250 points – Completion of laboratory exercises and answering of lab questions (10 points each lab day) checked or turned in at end of each lab day
3. 150 points – weekly quizzes (10 points each week).
4. 100 points – Final exam (100 points comprehensive) (Scantron 882)
5. Exams cannot be made up
6. grade distribution
 - A: 90 -100% 900 -1000 points
 - B: 80 - 89% 800 - 890
 - C: 70 - 79% 700 - 790
 - D: 60 - 69% 600 - 690
 - F: 00 - 59% 000 - 590

The Academic Senate has created an academic integrity policy for students at MJC. This policy is part of the Student Code of Conduct.

"The grading of a student's work rests on the fundamental idea that an instructor is evaluating a student's own work, so cheating or plagiarism demonstrates a failure to complete this most basic requirement of any course. Thus a faculty member may administer academic consequences for violating the Academic Integrity Policy ranging from partial to no credit on an exam or assignment."

Attendance: It is the responsibility of the student to drop a course that she/he are no longer attending. However, the instructor may drop a student after two consecutive days of non-attendance unless arrangements are made in advance. Avoid absences and leaving early.

Cell phones: Please turn off and do not use cell phones during class. Use of a cell phone for any reason during an exam will result in zero (0) points for that exam (SME Policy).

Eating and drinking are not permitted in the classrooms especially in the lab rooms.

Suggestions for success:

1. Complete all laboratory exercises and answer all lab questions.
2. Answer all *Quiz* questions for each chapter of the text.
3. Draw pictures and diagrams of physiological processes.
4. Take advantage of the laboratory time.
5. Establish study groups in and out of the lab.
6. Study a small amount of material at a time; learn that material thoroughly before moving on to something new.