

Syllabus for MBIO -111: 3792 General Biology

Access Code: 5560 - Fall 2011

Mr. E. Field

Patterson Campus room 505
Tuesday & Thursday 6-9:00 pm
Start Date: 8/30/11 End Date: 12/13/11
4 units

Biology 111 meets the MJC general education requirement for natural science and is a prerequisite for many advanced life science courses. See MJC catalog or a counselor for further information. This course has no prerequisites.

Biology is a course that most schools include as a general education requirement. Biology is considered a very important component of a liberal education. It concerns a major area of knowledge regarding life on earth. Life is integrated into the organization of the planet on which we live and it is so important it cannot be ignored as an area of study for an educated person. Biology 111 is a survey course that will cover several major areas of study but does not focus on any one area.

Course Description from MJC Catalog

Introduction to the principals of life, including reproduction, heredity, development, evolution, historical development of biology, molecular biology and ecology. Not open to students who have completed BIO 101. Not a substitute for BIO 101. Lecture/Laboratory. CSU and UC transferable.

Instructor Information

Eugene Field, Patterson, California.

Contact information: MJCmrfieldbio111@gmail.com
Web page: <http://home.evansinet.com/~unclgene/mjc.html>

I have no office and no office hours. I arrive at PHS by 5:30 pm. If students need help or answers to questions this is the time to see me. If other arrangements need to be made talk to me or contact me by email. For emergencies you may call me at home and my number is in both the Stanislaus County and Patterson phone books.

Text

Starr, Cecie, *Biology, Concepts and Applications* – 7th edition (ISBN - paper- 0-495-11981-4) All references and assignments will be based on the 7th edition. It will be assumed that students are in possession of a text book from the beginning of class.

Text Readings

Listed on specific handouts and available on class web page.

<http://home.evansinet.com/~unclgene/reading7.pdf>

Much of the course is based on the text. Reading and studying of the text will greatly improve a student's potential for a good grade in this class. Tests will contain questions based upon test book reading.

You will be receiving handouts from time to time that will supplement the text and lectures. Test will contain questions based up on supplemental readings.

Materials needed

Lab Book: hard back composition style book with graph paper (Staples or instructor)

Binder: 3 hole binder and paper

Ruler: with metric measurements (by first lab, see calender)

Index cards: 3 x 5 (vocabulary cards) & 4 x 6 (for current events)

Miscellaneous: pens, pencils, highlighters and Scantron (882-E, MJC bookstore)

Out of class assignments for which you will be responsible

Current Event articles: from magazines, news papers or online sources (2 different articles each Tuesday for 10 weeks – see calender)

Record of all assignments: keep a current record of your grades in the lab book

Binder: maintain a binder with all assignment descriptions and returned assignments

Written report on a scientist: to be assigned by instructor, date on calender

Calender

A separate handout. *All dates on the calender are tentative and subject to change and revision.*

Class Policies

Expected behavior

Class begins at 6 pm. Students are expected arrive to class on time. Class will last for 3 hours as scheduled. If you are late please enter quietly and take a seat quickly. Attendance is mandatory. Roll will be taken every class session. After two (2) missed class you *may* be dropped from the class.

During lectures students are expected to pay attention, not talk, take notes and be engaged.

Students are expected to turn off all cell phones and **absolutely no texting during lectures.**

There will be breaks during class sessions for restroom use and relaxation. Prompt return after breaks is expected.

Student success will depend upon individual student motivation and effort expended.

Bio 111 Student Learning Outcomes

Given lecture, modeling and guided laboratory exercises on compound microscopes, students will be able to use a compound microscope to **locate, focus, and estimate the size of specimens** on microscope slides as demonstrated in student prepared laboratory drawings and instructor prepared fill-in written and/or laboratory exam.

Given lecture, modeling, and viewing of animal and plant cells undergoing mitosis, students will be able to **identify and describe the phases of mitosis** as demonstrated in student prepared laboratory drawings and instructor prepared fill-in written and/or laboratory practical exam.

Given lecture and viewing of animal and plant cells using compound microscopes, students will be able to **compare and contrast animal and plant cell structures** as demonstrated in student prepared laboratory drawings and instructor prepared fill-in written and/or laboratory practical exam.

Tests

Tests will be given which will assess student progress and understanding of the content of the course. The format for most tests will be multiple choice, true/false questions, other formats when appropriate. Genetic test questions are in the form of problems to be solved and at times there may be written answers to questions. Unannounced quizzes will be given. The final is **comprehensive** and will cover all material presented throughout the course. All students will take the final.

A time limit will be set by the instructor for each test.

Grades

The approximate value of the principal activities of the class are as follows:

Tests 50%

Laboratory work 25%

Homework and class work 25%

Grading Scale

A - 91 - 100%

B - 81 - 90%

C - 65 - 80%

D - 50 - 65%

F - 0 - 50%

Missed assignments

All due dates for assignments are final. Students are expected to meet these deadlines. If for any reason you are going to be late on an assignment contact me and discuss the situation *ahead* of time. Students are expected to be in attendance for all tests. Again, if there are extenuating circumstances that may cause you to miss a test contact me *well in advance*. *Labs cannot be made up*. Labs will be set up on the day scheduled and to receive credit for the lab work you must attend on that day.

Students are expected to focus on their work during lab sessions. Because of the nature of labs there is always a potential for accidents and personal injury. All lab equipment and materials must be used properly. Students are expected to follow lab instructions explicitly and refrain from "personal experiments." Students are expected to wear goggles while engaged in lab work. Students are expected to be familiar with all lab safety rules provided by the instructor. Students are expected to take responsibility for his/her actions.

Academic honesty

Students are expected to have integrity and honesty in all aspects of the class. It will be assumed that all work done outside of class is the personal work of the individual student. During tests students are expected to do their own work and not cheat.

Available Support Services

Many services are available for students with a variety of needs. Refer to the Services and Program handout for services provided by Modesto Junior College.

Disabled Students

If you are a student who needs special accommodations in any way arrangements can be made for you. You need to contact the office of Disability Services. On the east campus it is in the Journalism building, room 152. On the west campus it is in the Yosemite building, room 145A. *You must make contact with this office within three weeks of the first night of the semester.* You will receive a document stating the accommodations that you are entitled to. You need to talk to me as soon as possible so that I am aware of your specific situation.

Communication

In any setting problems arise. If any problems arise during the semester please feel free to communicate that problem with me. If you know ahead of time inform me of class periods you will be missing. If a situation arises that will cause you to miss a test please let me know as far ahead of time as possible. If you have a disagreement with me or simply feel the need to tell me something talk to me or send me an email.

Evaluation

At the end of the semester you will be asked to complete a written evaluation of the course and the instructor. Honest thoughtful answer to the questions are useful to the instructor in the planning and organization of his class.