BIO 410 MOLECULAR CELL BIOLOGY
SPRING 2010

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Office Hours: Open door policy (If my door is open come on in)
Scheduled Office Hours: MWF 10:00 - Noon

COURSE INFORMATION
BIO 410 Molecular Cell Biology
Lecture: MWF (9:00 – 9:50 a.m.)
Laboratory: Mondays (3:00 – 5:50 p.m.)

Textbooks:
Molecular Biology of the Cell, 5th Ed. ISBN-10: 0815341067 (Required)
Basic Laboratory Methods for Biotechnology 2nd ed. ISBN-10: 0321570146 (Recommended)
Bound Composition book (Required)

COURSE DESCRIPTION
An advanced cell biology course covering topics relevant to cell structure and function. Selected topics include:
structure and function of the genome, regulation of gene expression, membrane function and transport, cell
motility and cytoskeletal function. (4 credit hours)

METHODS & SCHEDULE
This course is a content intensive overview of selected structures and functions of the basic unit of life, the
cell. Content will be presented in a series of reading assignments followed by discussion driven lectures.
Readings will include not only the text, but also primary literature, articles retrieved from the popular press and
other media outlets. Laboratory will focus on a review or practice of selected methods presented in the
readings.

EVALUATION
This class includes both lecture and lab concurrently, so points from both lecture and lab portions of the course
will be used to calculate the final grade. The term grade will be based on the following (tentative and subject
to change):

| Attendance and participation (40 x 5 pts.) | 200 pts. |
| Lab (12 x 15 pts.) | 180 pts. |
| Special Project Report | 20 pts. |
| Total | 400 pts. |

Attendance is required. You must arrive to every lecture and lab on-time and well prepared. This class will make
extensive use of the text. Bring your text or other assigned readings with you to every lecture and lab session.
Attendance and participation for every lecture and lab meeting will be assessed as 5 pts., 3 pts. or 0 pts/hour.
All absences, late arrivals and/or lack of preparedness and participation will be given less than 5 pts. Excused
absences will be extremely limited and will require the completion of an extensive alternate outside assignment.
Due to the nature of this class, absences (both excused and unexcused) beyond 6 lectures will result in a final
grade of a FA. More than 2 lab absences will also result in an FA.

The above will be graded no stricter than as follows:
A = 90-100%  B = 80-89%  C = 70-79%  D = 60-69%  F = 0-59%