Principles of Modern Biology - Laboratory

BIOL1011.21, SPRING 2010

Pre-requisites: none
Co-requisite: BIOL1001.21 Lecture

Class Room and Meeting Times and Dates: Dickinson Hall Room 5523
Wednesday 12:00 PM – 1:40 PM

Instructor: Dr. Janice Lee, DC
Email Addresses: jlee5@fdu.edu, janiceleedc03@hotmail.com

Course Description
Lab associated with BIOL 1001 - Principles of Modern Biology

Text and Materials
Lab Manual: For Biology 1011 – available from bookstore
Long White (preferably) lab coat is required in EVERY lab – Missing lab coat will result in an absence for that lab.
This will be strictly reinforced as it concerns YOUR safety.
Safety goggles in selective labs – Students will be instructed in advance.

Course Objectives
The objectives (goals) of this course for the student:

- To learn appropriate laboratory behavior
- To become familiar with:
  - The scientific method
  - Chemical aspects of life
  - Cell division
  - Inheritance
  - Organismic diversity
  - Organismic anatomy and physiology
  - Evolution and ecology

Teaching Methodologies/Activities
The following will be used to assess student learning:
Tests & Quizzes
Development of laboratory skills
Review of lab manual reports

Rules, Regulations, Grades
Attendance and lateness policy:
Students are responsible for all material missed due to absence and or tardiness. Since students entering a class, once the class is in session, are disruptive, admission may be denied to frequent offenders. Due to the unique requirements of a laboratory course, missed work cannot be made up. Therefore, you are required to document the legitimacy of any absence. Excessive absences prevent you from learning the course content and skills and will result in your grade in the laboratory course being lowered. Your class average will be lowered 10% for each unexcused absence. On tests, you are responsible for all the material covered in
class, whether or not you were present. Therefore, you should ask your classmates and instructor to go over any work you missed.

**Makeup and missed work policy:**

- Each test will only cover the material taught since the previous exam (see the course outline).
- If you miss a test and have a documented medical (or other) excuse, you will be offered a makeup test, which must be taken within one week of your return to class.
- If you miss a test and do not have a documented medical (or other) excuse, you will **not** be offered a makeup test and will receive a “0”.

**Academic Integrity Policy:**

Students enrolled at Fairleigh Dickinson University are expected to maintain the highest standards of academic honesty. Students have the responsibility to each other to make known the existence of academic dishonesty to their course instructor, and then, if necessary, the department chair, or the academic dean of their college. Course instructors have the added responsibility to state in advance in their syllabi any special policies and procedures concerning examinations and other academic exercises specific to their courses. Students should request this information if not distributed by the instructor.

Academic dishonesty includes, but is not necessarily limited to, the following:

1. **Cheating**—Giving or receiving unauthorized assistance in any academic exercise or examination. Using or attempting to use any unauthorized materials, information, or study aids in an examination or academic exercise.
2. **Plagiarism**—Representing the ideas or language of others as one’s own.
3. **Falsification**—Falsifying or inventing any information, data, or citation in an academic exercise.
4. **Multiple Submission**—Submitting substantial portions of any academic exercise more than once for credit without the prior authorization and approval of the current instructor.
5. **Complicity**—Facilitating any of the above actions or performing work that another student then presents as his or her assignment.
6. **Interference**—Interfering with the ability of a student to perform his or her assignments.

**Sanctions:** Any student violating academic integrity will, for the first offense, receive one or a combination of the following penalties imposed by the faculty member:

- **No credit (0) or Failure for the academic exercise**.
- **Reduced grade** for the course.
- **A failure in the Course**.
- **Recommendation for Academic Probation** to the dean of the college in which the student is registered.

The instructor shall file a notice of the penalty in the student’s file maintained in the campus Office of Enrollment Services. In cases of interference and complicity, whether or not the student is registered in the affected course, the incident and penalty shall be recorded in the student’s file maintained in the campus Office of Enrollment Services. For a subsequent violation of academic integrity, a student will be subject to any combination of the above sanctions, and, after due review by the academic dean according to the procedures below, one of the following:

1. **Suspension** from the University for one year. Readmission will be contingent upon the approval of the academic dean.
2. **Dismissal** from the University
3. **Dismissal from University** identified on the student’s academic transcript as a result of a violation of the Academic Integrity Policy.
Grades
Your laboratory average will contain the following components:
- Test 1 (written and practical) – 35%
- Test 2 (written and practical) – 35%
- Class performance – 30%
  - Quizzes (announced and unannounced)
  - Lab manual review
  - Class participation

Your laboratory average will then be combined with your lecture average to determine your course grade, as described in the BIOL1001 syllabus.

Classroom Behavior:
You and your classmates are in class to learn. Any behavior that has a negative impact on that goal is not acceptable. If your behavior habitually is deemed inappropriate, your “class performance grade” will reflect it.

A laboratory requires appropriate behavior. Chemicals, flames, glassware, etc. can all be dangerous, if not handled properly. Therefore, the instructor’s directions must always be followed. If you are not sure about a technique or procedure, always ask your instructor.

List of Topics: (Tentative – Topics could change with prior announcement)

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<td>Exercise 1: Observation and Simple Statistics</td>
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