Introductory Biology I
Biology 123-2B Lecture
T/R 9:30 – 10:45
Heritage Hall Building (HHB) 102

“This is a sample syllabus only. The instructor may make changes to the syllabus in future courses.”

INSTRUCTOR INFORMATION:
Peggy R. Biga, Ph.D.
Office: Campbell Hall 173
UAB E-Mail: pegbiga@uab.edu
Telephone: (205) 934-9684
Office Hours: M 1-2 pm, T 11-noon, R 2-3

COURSE INFORMATION:

Course Prerequisites:
Undergraduate level MA 106 Minimum Grade of C-May be taken concurrently or Undergraduate level MA 107 Minimum Grade of C-May be taken concurrently or Undergraduate level MA 125 Minimum Grade of C-May be taken concurrently or Undergraduate level MA 126 Minimum Grade of C-May be taken concurrently or Undergraduate Certificate level BY 116 Minimum Grade of C or ( ACT Math Score 23 and High School GPA 3.5) or ( ACT Math Score 24 and High School GPA 3) or ( ACT Math Score 25 and High School GPA 2.5) or ACT Math Score 26 or ( SAT Mathematics 540 and High School GPA 3.5) or ( SAT Mathematics 560 and High School GPA 3) or ( SAT Mathematics 580 and High School GPA 2.5) or SAT Mathematics 600 or MA Screening-Calculus Part I 17 or MA Screening-Advanced 21

COREQUISITES: BY 123L

Course Description: Basic chemistry, cell structure and function, metabolism, genetics, evolution, bacteria, and protists. For majors in biology and related fields. Quantitative Literacy and Writing are significant components of this course (QEP). Lecture and laboratory.

Course Objectives:
The goal of this course is to introduce students to the basics of general biology and inquiring about life. The objectives include:
- To gain an understanding of how science works.
- To gain an understanding of how life works.
- To gain an understanding of the evolution of complexity in the world.

Matters pertaining to the laboratory are handled by Alan Whitehead, Room 104 or 275 Campbell Hall; phone: 934–3158; e-mail: storm@uab.edu.

Supplemental Instructors Information:
Sara Robicheaux
UAB E-mail: ser1993@uab.edu
SI Sessions: Mondays and Wednesdays, 5-6 pm
Office Hour: Fridays, 10-11 am
Mock exams will be held the weekend before the tests.

The sequence BY 123–124 is designed specifically for biology majors, other science majors (chemistry, physics, etc.), pre–health professions students (pre-medical, pre–dental, pre–optometry, pre–veterinary), Health Professions majors, and anthropology and psychology majors. The courses are in–depth treatments, fast–paced, and presume the above specific career goals.
It is our experience that students with majors other than those above are less successful academically in this sequence, and we actively discourage such students from participation in it.

The Biology Department offers several courses designed for students seeking to satisfy general degree requirements in the science area. If you are majoring in Business, Humanities, or Social and Behavioral Sciences (other than anthropology or psychology) we recommend:

- **BY 101** – Topics in Contemporary Biology
- **BY 102** – Laboratory for BY 101
- **ENV 108** – Human Population and the Earth's Environment
- **ENV 109** – Laboratory for ENV 108
- **BY 111** – Extended Topics in Contemporary Biology
- **BY 112** – Laboratory for BY 111
- **BY 115** – Human Anatomy

### Tentative Topics Outline (See Course Schedule for More Detailed Outline)
- Overview of the study of life
- Chemistry of life
- The cell
- Genetics
- Mechanisms of evolution

### Required Texts:
   - Each new version comes with the Mastering Biology Website.
2. *A Photograph Atlas for the Biology Laboratory*, Van DeGraff/Crawley
4. *Biology in the Laboratory*, Doris E. Helms

### Recommended Text:
*Student Study Guide for Campbell’s Biology*, Martha R. Taylor

Some course materials are available on Blackboard available through BlazerNet or [http://www.uab.edu/bblearn/](http://www.uab.edu/bblearn/).

**There may be material presented in class that is not in the textbook or on Blackboard. YOU are responsible for this material if you miss class.**

### Course Requirements

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<thead>
<tr>
<th>Lecture: 70%</th>
<th>Lab: 30%</th>
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<tbody>
<tr>
<td>Exams (4)</td>
<td>200 Points (50 pts each)</td>
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### Grading Procedure

College Scale (A=100-90, B=89-80, C=79-70, D=69-60, F=59 and below); to be scaled to the maximum # points earned

Exams begin promptly at the scheduled time. You must be on time for exams. Tardiness will not be tolerated.

**Each exam score will contain a portion of points from in class Clicker2 participation.**

**Final Exam is on April 24, 2014 (Thursday) starting at 8:00 am**

### Course Attendance

Attendance is required for this course. The student is responsible for attending class and obtaining required materials from Blackboard. Class participation will be ‘graded’ via iClickers. A few classes might be posted online via Blackboard, and in accordance with the attendance policy for this course, it is the responsibility of the student to view these online classes. Tardiness in excess of 5 minutes past the start of class time will be considered an absence. **Please come to class on time, as tardiness is disruptive to the class.**

This course is supported by Supplemental Instruction (SI) Study Sessions. Students attending SI on a regular basis usually do better in the class.
Make-Up Exams

Attendance at scheduled examinations is mandatory. Make-up exams are given only in cases of medical incapacitation or extreme hardship. You must notify me prior to the scheduled exam time if you will not take the exam. Documentation will be required. Failure to notify me within 24 hours prior to the exam will be an automatic 0. Make-up exams will be given at the convenience of the instructor. Make-up exams will be essay exams, and you should allow 3 hours to complete the make-up exam. Official university business that is in conflict with the exam will be considered excused if the student notifies me at the earliest data and provides a letter or supporting information from the event’s sponsor.

Library support

The Libraries at UAB provide access to materials and services that support the academic programs. The address of the UAB Library Website is http://www.mhsl.uab.edu. This site provides access to the resources of all Campus and Regional Libraries, as well as to resources such as the Library’s Catalog and Databases. Please be sure to utilize these resources to their fullest.

Communication

UAB email- All students are required to obtain and use the UAB e-mail address that is automatically assigned to them as UAB students. All official correspondence will be sent ONLY to the address provided in Blackboard (Bb). All students are responsible for ensuring that the correct e-mail address is listed in Bb by the beginning of Week 2. The course instructor will periodically send messages through Bb e-mail that will be directed to the e-mail address you have listed. It is your responsibility to ensure that a valid UAB e-mail address is provided. Failure on your part to do so can result in you missing important information that could affect your grade.

Classroom Etiquette

Please silence all cell phones and DO NOT answer phone calls or text messages during class time. In the event you are expecting an ‘emergency’ phone call during our class time, please place your phone on vibrate and deal with the call in a manner that is the least disruptive for the rest of the class. Thank you for your compliance.

You may use your laptop in class, however, if you are doing anything other than taking notes, this will result in banning you from future use of the laptop.

Texting is forbidden in my class. If you text in class, you will be banned from attending class and given the grade of F.

Additional Needs

If you are registered with Disability Support Services (DSS), please make an appointment with me as soon as possible to discuss any accommodations that may be necessary. If you have a disability requiring special accommodations but have not contacted DSS, please call 934-4205, or visit them at 516 Hill University Center. Special considerations will not be given unless requested by DSS. You may also access them on line at www.uab.edu/dss.

Academic Responsibility

The academic community is operated on the basis of honesty, integrity, and fair play. The Code of Academic Misconduct applies to cases in which cheating, plagiarism, or other academic misconduct has occurred in an instructional context. Students found guilty of academic misconduct are subject to penalties, up to and possibly including suspension and/or expulsion. Academic misconduct or dishonesty includes, but is not limited to cheating, helping someone else cheat, fabrication, misrepresentation of work, and plagiarism (presenting someone else’s work as your own). Violations will be dealt with to the fullest extent allowed by UAB policies on academic misconduct. Please see the Academic Honor Code: http://main.uab.edu/Sites/undergraduate-programs/general-studies/academic-success/67537/
"Veterans and student soldiers with special circumstances or who are activated are encouraged to notify the instructor in advance."

**The instructor reserves the right to change/update this syllabus to enhance the course. **