

# BIOL 1004 – Introduction to Biology

CSN 20362

FALL 2009

BETH THORNTON

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Office: Gray 118 (science bldg)

Office Hours: T 8:30-9:00

M 1:00-3:00

Th 1:00-3:00

F 1:00-3:00 appt only

M/W/F 8:30-9:00 Ag. Sci 149

F 10:00-12:00 Ag. Sci 149

TEXTBOOK: *Biology – 8<sup>th</sup> e.*, Audesirk, Audesirk & Byers: Pearson/Prentice Hall, 2008

INTERNET: [www.prenhall.com/audesirk](http://www.prenhall.com/audesirk) Follow directions in front cover of your text.  
See your text for activation ID and password.

ATTENDANCE: All students are expected to attend ALL class meetings and to BE ON TIME. Attendance will be taken at the beginning of each class meeting. Any problem that affects attendance should be discussed with the instructor. Absence from class for whatever reason does not excuse students from full responsibility for class work or assignments missed.

For attendance purposes, **two tardies will count as an absence.**

ABSENCES: Excused absences are those in which you have a written excuse from infirmary, doctor, advisor, or academic office. Excused absences are still absences and count as absences. Sleeping during class constitutes an absence.

WITHDRAWAL: A student may withdraw from a course up to the midpoint of the semester (10/8) and receive a grade of W without penalty. After midterm, students may withdraw only with permission of the Academic Dean, if permission is granted, students will be assigned a W or WF according to their averages at the time they withdrew. Students who simply abandon classes will be given F's at the end of the semester.

GRADING: Your final average is determined by the percentage of the possible points **you earn.**

Lecture exams	
4 exams x 100 point each.....	400 pts
Final exam.....	100 pts
Total Possible Points	500 pts

- A = 450-500 (90%-100%)
- B = 400-449 (80%-89%)
- C = 350-399 (70%-79%)
- D = 300-349 (60%-69%)
- F = below 300 (less than 60%)

**All Assignments** which are late will receive a **penalty of one letter grade** for each day late. **All written assignments** must be turned in **typed and neat.**

Students enrolled in classes in the Division of Science and Mathematics will be expected to demonstrate an understanding of subject matter requiring higher order processing skills. Examination questions may include essay, synthesis, analysis, and application; as well as completion, multiple choice, true false and matching. Computational skills and drawing or diagramming may also be required.

Wearing of baseball caps or other head gear on test days will not be permitted.

Cell Phones: Cell phones, pagers, and all other electronic communication devices must be **turned off** during each class and laboratory session.

TESTING: **Make-up tests will NOT be given.**

The students will take 5 lecture exams. I will count 4 of the 5 lecture exams. If the student takes all 5 lecture exams, then I will drop the lowest exam grade. If the student misses an exam, then that is the lowest grade (0) and that will be the dropped grade. The final exam cannot be dropped.

BONUS: Bonus Points (a maximum of 10 points/semester) may be earned by: Correctly answering selected questions on each exam. The questions will be designated as bonus questions and will reference conceptual material from previous exams taken in the class.

CONFERENCES: Please come by and talk with me if you are having any problems with the material or with studying. You can find me in Gray 118 (office) during posted office hours or in Ag. Science Bldg 151 (lab) or you can arrange an appointment for a more convenient time. Please call my office 391-5121 or the science division office (5100) and leave a message with Ms. Brannen. She will relay the message to me. You can also always contact me by email: [bthornton@abac.edu](mailto:bthornton@abac.edu)

## TENTATIVE COURSE SCHEDULE

8<sup>TH</sup> EDITION CHAPTERS

AUG 19	CH 18 SYSTEMATICS CH 19 PROKARYOTES	21	CH 19 PROKARYOTES & VIRUS
26	CH 20 PROTISTS	28	CH 22 FUNGI
SEP 2	<b>EXAM 1 (CH 18/19/20/22)</b>	4	CH 23 ANIMAL DIVERSITY INVERTEBRATES
9	CH 24 ANIMAL DIVERSITY VERTEBRATES	11	CH 21 PLANT DIVERSITY
16	CH 42 PLANT ANATOMY & TRANSPORT	18	<b>EXAM 2 (CH 21/23/24/42)</b>
23	CH 26 POPULATION GROWTH	25	CH 27 COMMUNITY INTERACTIONS
30	CH 28 HOW DO ECOSYSTEMS WORK?	2	CH 28 HOW DO ECOSYSTEMS WORK?
OCT 7	<b>EXAM 3 (CH 26/27/28)</b>	9	CH 31 THE ANIMAL BODY HOMEOSTASIS/ORGANIZATION
14	<b>FALL BREAK</b>	16	CH 31 INTEGUMENTARY SYST. CH 34 NUTRITION & DIGESTION
21	CH 34 NUTRITION & DIGESTION	23	CH 35 URINARY SYSTEM
28	<b>EXAM 4 (CH 31/34/35)</b>	30	CH 32 CIRCULATION
NOV 4	CH 32 CIRCULATION	6	CH 33 RESPIRATION
11	CH 36 IMMUNITY: DEFENSES	13	CH 39 ACTION AND SUPPORT MUSCLES
18	CH 39 ACTION AND SUPPORT BONES/SKELETON	20	<b>EXAM 5 (CH 32/33/36/39)</b>
25	CH 40 REPRODUCTION	27	<b>HOLIDAY</b>
DEC 2	CH 40 REPRODUCTION	4	CH 41 DEVELOPMENT
9		11	

**\*\*BIOL 1004 FINAL: TUESDAY, DEC 9, 10:30 – 12:00 \*\***

EXAM 1 /100

EXAM 2 /100

I will use your best 4/5 lecture exam grades

EXAM 3 /100

and your final exam grade in order to

EXAM 4 /100

determine your course grade.

EXAM 5

FINAL /100

TOTAL /500 POINTS

Course Name:

INTRODUCTORY BIOLOGY II

Course Number:

BIOL 1004

Course Description:

General topics to be covered include: diversity of viruses and bacteria, plant and animal classification, structure and function of major plant and animal systems and ecology. Human biology is emphasized during the latter part of the course. This class is intended for the non-science major interested in a general understanding of biological concepts. Fall, Spring, Summer. 3 credit hours.

Pre-requisites/Co-requisites:

Prerequisite: BIOL 1003/1003L with a grade of C or higher.

Co-requisite: BIOL 1004L.

USG General Education Outcomes pertinent to this course:

**Scientific Reasoning: Scientific reasoning will be characterized by understanding and applying scientific method, laboratory techniques, mathematical principles, and experimental design to natural phenomena.**

Competence within the context of collegiate general education objectives is defined by the following outcomes:

- Ability to understand basic scientific principles, theories, laws as they apply to all scientific disciplines;
- Ability to demonstrate knowledge in at least one area of science;
- Ability to discern the role in and impact on science on society;
- Ability to identify and properly use appropriate technologies for scientific inquiry and communication including collecting and analyzing scientific data;
- Ability to understand the physical universe and science's relationship to it;
- Ability to understand the changing nature of science;
- Ability to understand the scope and limits on the appropriateness of scientific inquiry to physical phenomena;
- Ability to demonstrate critical observation and analysis;
- Ability to apply mathematical principles to scientific inquiry, including the use of statistics and formulae to understand quantitative data.

ABAC Course Learning Outcomes:

**Introductory Biology II Course Outcomes:**

- 1 Demonstrate competence in the process skills associated with the scientific process
- 2 Demonstrate knowledge of the nature of matter, energy systems, and measurements
- 3 Demonstrate an understanding of the various kingdoms of life and their interrelationships with each other and the environment

- 4 Demonstrate knowledge of the structure and function of animal and plant systems including reproduction
- 5 Demonstrate knowledge of how living things respond to stimuli and how they coordinate organismal functions

College Policy on Class Attendance:

#### ATTENDANCE

Courses at Abraham Baldwin Agricultural College are provided for the intellectual growth and development of students. The interaction with instructors and other students is an important element of the learning process, and a high correlation exists between class attendance and course grades. Therefore to attain maximum success, students should attend all their classes, be on time, and attend all scheduled course activities. Absence from class, for whatever reason, does not excuse a student from full responsibility for class work or assignments missed. Students must accept this responsibility.

Individual instructors will establish attendance policies for each class, will publish the policy in the course syllabus, and keep attendance records. The penalty for absences is at the discretion of the instructor and may include failure of the course. Whenever a student is absent, the student must assume responsibility for making arrangements for any assignments missed due to the absence.

A student who stops attending class without officially withdrawing will still receive a grade for the course.

A student penalized for excessive absences may appeal through the grade appeal process, as stated in ABAC's college catalog and student handbook.

#### INSTITUTIONAL ABSENCE

A student who serves as an official representative of the college is defined as one who:

- is authorized to use the college name in public relationships outside the institution;
- regularly interacts with non-college individuals and groups over an extended period of time (at least one semester);
- represents the college as a part of a group and not as an individual;
- represents the college under the direct supervision of a college faculty or staff member;
- is authorized, in advance, by the President of the college.

Such a student is in no way released from the obligations and responsibilities of all students, but will not be penalized with unexcused absences when absences result from regularly scheduled activities in which he/she represents the college.

Further, it is the responsibility of each student to contact instructors prior to the absence and to make arrangements to make up any work that will be missed, in a manner acceptable to the instructor. Advisors of activities will schedule off-campus activities in a manner that does not unduly disrupt the learning process for a student.

[http://www.abac.edu/catalog/2009\\_2010/AcademicPolicy.pdf](http://www.abac.edu/catalog/2009_2010/AcademicPolicy.pdf)

College Policy on Academic Dishonesty:

#### ACADEMIC CONDUCT CODE

##### **A. Academic Dishonesty**

Academic irregularities include, but are not limited to, giving or receiving of unauthorized assistance in the preparation of any academic assignment; taking or attempting to take, stealing, or otherwise obtaining in an unauthorized manner any material pertaining to the education process; selling, giving, lending, or otherwise

furnishing to any person any question and/or answers to any examination known to be scheduled at any subsequent date; fabricating, forging, or falsifying lab or clinical results; plagiarism in any form related to themes, essays, term papers, tests, and other assignments; breaching any confidentiality regarding patient information.

### **B. Disciplinary Procedures**

1. When a faculty member suspects that a student has engaged in academic dishonesty, the faculty member will contact the Office of the Vice President for Academic Affairs. The Vice President for Academic Affairs will notify the student in writing of the report and will appoint a neutral person from among the faculty or staff to meet with the faculty member who reported the matter and the student(s) believed to have engaged in academic dishonesty. The purpose of the meeting, to be scheduled by the Office of the Vice President for Academic Affairs, will be to provide a facilitated discussion about what may have occurred. The faculty member who reported the matter, the student(s) believed to have engaged in academic dishonesty, and the facilitator are the only participants in the meeting. Neither audio nor video recordings of these proceedings will be permitted. Following the discussion, the facilitator will submit a form summarizing results of the proceedings to the Office of the Vice President for Academic Affairs.
2. The faculty member and student(s) may reach an agreement about the matter and, if dishonesty is involved, may determine the appropriate consequences. If no resolution is agreed upon, the matter will be forwarded to the Dean of Student Life and Housing, who will convene the Student Judiciary Committee to determine the outcome of the allegation.
3. Guidelines for disciplinary procedures as outlined in Section V of the Student Code of Conduct will be applicable in cases involving alleged academic dishonesty. A written copy of the recommendations by the Student Judiciary Committee shall be sent not only to the student but also to the faculty member who made the allegations of academic dishonesty against the student, to the Vice President for Academic Affairs, and to the President.
4. Prior to any finding of responsibility on the part of the student, the faculty member shall permit the student to complete all required academic work and shall evaluate and grade all work except the assignment(s) involved in the accusation of dishonesty. The faculty member may, however, take any action reasonably necessary to collect and preserve evidence of the alleged violation and to maintain or restore the integrity of exam or laboratory conditions.
5. A student may not withdraw from a course to avoid penalty of plagiarism or other forms of academic dishonesty.

[http://www.abac.edu/catalog/2009\\_2010/AcademicPolicy.pdf](http://www.abac.edu/catalog/2009_2010/AcademicPolicy.pdf)

If there is a student in this class who has specific needs because of learning disabilities or any other disability, please feel free to contact the instructor.

This is a partial syllabus. More detailed information relating to the class and Instructor will be made available to each student.