



BIOL 1111 - Introductory Biology I

Course Syllabus – Spring 2015

Individuals with disabilities who need to request accommodations should contact the Disability Services Coordinator, Student Center 255, (678) 466-5445, disabilityservices@mail.clayton.edu.

Course Description:

Number and Title:

BIOL1111 (CRN 20470)
Introductory Biology I

Credit Hours:

3.0 semester credit hours

Catalog Description:

The biology sequence (BIOL 1111-1112) covers basic and biological chemistry, cellular organization and function, cell division, bioenergetics, and organ system physiology as well as Mendelian genetics, basic statistics, developmental biology, molecular genetics, biotechnology, ecology, and evolution. BIOL 1111 includes the basic and biological chemistry, cellular organization and function, cell division, bioenergetics, genetics, and developmental biology.

This sequence is designed for non-science majors. The biology sequence of BIOL 1107 and 1108 is the sequence advised for science majors and most medical majors. If you have questions about the appropriate sequence for your major, please ask your instructor.

Pre-requisite:

MATH 1101, with a minimum grade of D; or MATH 1111, with a minimum grade of D; or MATH 1113, with a minimum grade of D; or MATH 1112A, with a minimum grade of D; or MATH 1112, with a minimum grade of D;

or MATH 1501, with a minimum grade of D; or MATH 0099, with a minimum grade of C; or placement out of LS math

Co-requisite:

BIOL 1111L, Introductory Biology Laboratory is no longer a co-requisite to BIOL 1111 lecture. The lab may be taken concurrently with the lecture, but it is not a requirement to take the lab in the same semester as the lecture. However, BIOL 1111L may not be taken without taking BIOL 1111 previously or concurrently.

Note: If a student withdraws from BIOL 1111, the student must also withdraw from BIOL 1111L. If a student withdraws from BIOL 1111L, the student does not have to withdraw from BIOL 1111.

Computer Requirement:

Each CSU student is required to have ready access throughout the semester to a notebook computer that meets faculty-approved hardware and software requirements for the student's academic program. Students will sign a statement attesting to such access. For further information on CSU's Official Notebook Computer Policy, please go to:

<http://www.clayton.edu/hub/itpchoice/notebookcomputerpolicy>.

Software Requirement:

To properly access the course content you will need to download the following free software:

- Adobe Reader (needed to access files in PDF format):
<http://get.adobe.com/reader/>
- Adobe Flash (needed to access video content):
<http://get.adobe.com/flashplayer/>

Computer Skill Prerequisites:

- Able to use the Windows™ operating system
- Able to use Microsoft Word™ word processing
- Able to send and receive e-mail using Outlook™ or Outlook Express™
- Able to attach and retrieve attached files via email
- Able to use a Web browser.
- Able to print documents either on your home computer's printer or Smart Print (networked printers on campus).

In-class Use of Student Notebook Computers:

Student notebook computers may be used during class, provided their use is restricted to purposes relevant to the course. Non-relevant purposes (e.g., Facebook, email, etc.) are a distraction to other students and will not be permitted in the classroom. Outside of class, computers will be used to complete assignments, access internet and class materials, and to communicate with the instructor.

Desire2Learn:

Students can access course materials on Desire2Learn. In addition, students will be required to complete quizzes and submit homework assignments through the Dropbox feature of Desire2Learn.

You can gain access to Desire2Learn, by signing on to the SWAN portal and selecting: "D2L" on the top right side. If you experience any difficulties in Desire2Learn, please email or call The HUB at TheHub@mail.clayton.edu or (678) 466-HELP. You will need to provide the date and time of the problem, your SWAN username, the name of the course that you are attempting to access, and your instructor's name.

Program Learning Outcomes:

General education outcomes:

The following link provides the Clayton State University Core Curriculum outcomes (see Area D):

<http://flippingbook.clayton.edu/catalog-handbook/#110>

Teacher education standards:

The content of this course syllabus correlates to education standards established by national and state education governing agencies, accrediting agencies and learned society/ professional education associations. Please refer to the course correlation matrices located at the following web site:

<http://a-s.clayton.edu/teachered/Standards%20and%20Outcomes.htm>

Course Learning Outcomes:

Upon completion of this course, students will be able to:

- To understand the basic concepts of chemistry which are applicable to introductory biology.
 - To describe the structure and explain the function of the cellular organelles.
 - To describe the processes involved in cellular division.
 - To understand general chemical and energetic processes that occur within most eukaryotic cells.
 - To understand how the scientific method was employed in acquiring biological information.
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Instructor Information:

Ms. Ann Showalter

Office: NBS 161

Phone: 678-466-4771

Email: AnnShowalter@clayton.edu

Website: <http://faculty.clayton.edu/ashowalter>

Office Hours: Mon 3:30-5pm, Tues 2:15-4:45pm,

Thurs 12-2pm

The best way to contact me is via email. If you do not get a response within one business day, assume I did not get your email. I do not always check email on weekends. Do not contact me through the message service on Desire2Learn – I do not check this regularly.

Class Meetings:

CRN	Days	Time	Room	Instructor
20470	TR	5:00 – 6:15pm	UC 267	Showalter

Textbook Information:

Shuster, M., J. Vigna, G. Sinha, & M. Tontonoz. *Biology for a Changing World with Physiology*. WH Freeman and Scientific American 2014. ISBN: 978-1464151804

Chapters to be covered: 1-13

Evaluation:

3 Exams @ 75 points	225
Online quizzes	125
Homework & in-class assignments	100
Cumulative final exam	100
TOTAL	550

NOTE: There will be NO multiple-choice questions on any of the exams. Most questions will require simply a word or phrase as a response. If I cannot read your handwriting, the question will be marked wrong.

Grading:

Your final grade will be determined as follows:

Grade	Point range	Percentage
A	492.25 - 550	89.5 - 100%
B	437.25 - 492	79.5 – 89.4%
C	382.25 - 437	69.5 – 79.4%
D	327.25 - 382	59.5 – 69.4%
F	Below 327	below 59.4%

Mid-term Progress Report:

The mid-term grade in this course, which will be used on February 26, reflects approximately 25% of the entire course grade. Based on this grade, students may choose to withdraw from the course and receive a grade of “W”. Students pursuing this option must fill out an official withdrawal form, available in the Office of the Registrar, or withdraw online using the SWAN by mid0term, which occurs on March 6. Students making unsatisfactory progress will be contacted individually by the instructor before mid-term. [Instructions for withdrawing are provided at this link.](#)

The last day to withdraw without academic accountability is Friday, March 6, 2015.

Tentative Course Schedule:

This lecture schedule is tentative and may change. Tests may be given the week before or the week after the week listed here--or during the week predicted. Specific test dates will be announced approximately one week in advance in class.

Day	Topic	Chapters
Jan 13	Introduction	
Jan 15	Process of science	1
Jan 20	Process of science	1
Jan 22	Chemistry and molecules of life	2
Jan 27	Chemistry and molecules of life	2
Jan 29	Cell structure and function	3
Feb 3	Cell structure and function	3
Feb 5	Exam I (Chapters 1-3)	
Feb 10 & 12	Nutrition, metabolism, and enzymes	4
Feb 17 & 19	Energy and photosynthesis	5
Feb 24 & 26	Dietary energy and cellular respiration	6
Mar 3	Exam II (Chapters 4-6)	
Mar 5	DNA structure and replication	7
March 6, 2015 is the last day to withdraw and receive a W grade		
Mar 10 & 12	SPRING BREAK – NO CLASS THIS WEEK	
Mar 17	DNA structure and replication	7
Mar 19	Cell division and mitosis	9
Mar 24	Cell division and mitosis	9
Mar 26	Genes to proteins	8
Mar 31	Genes to proteins	8
Apr 2	Exam III (Chapters 7-9)	
Apr 7	Mutations and cancer	10
Apr 9	Single gene inheritance and meiosis	11

Apr 14	Single gene inheritance and meiosis	11
Apr 16	Complex inheritance	12
Apr 21	Complex inheritance	12
Apr 23	Stem cells and differentiation	13
Apr 28	Stem cells and differentiation	13
Apr 30	Final exam review	
May 5	FINAL EXAM (Chapters 1-13) @ 5pm	

Course Policies:

General Policy

Students must abide by policies in the [Undergraduate and Graduate Student Code of Conduct](#) and the [Basic Undergraduate Student Responsibilities](#).

University Attendance Policy

Students are expected to attend and participate in every class meeting. Instructors establish specific policies relating to absences in their courses and communicate these policies to their students through the course syllabus. Individual instructors, based upon the nature of the course, determine what effect excused and unexcused absences have in determining grades and upon students' ability to remain enrolled in their course. The university reserves the right to determine that excessive absences, whether justified or not, are sufficient cause for institutional withdrawals or failing grades.

Course Policies

1. **Electronic devices, including computers, cellphones, tablets, etc.** may only be used for class-appropriate activities, such as taking notes. Any use of a cell phone or possession of a cell phone on your person (e.g., hands, pockets, etc.) during an exam is considered academic dishonesty. Violators will be subject to disciplinary action, including receiving a zero on the exam.
2. **No talking while the instructor or another student is talking.** Students repeatedly violating this policy will be asked to leave the classroom for being disruptive.
3. **Snacks and drink are allowed, within reason.** If you make a mess, you are responsible for cleaning it up.
4. **Visitors are not permitted without the instructor's permission.** Children are not allowed in the classroom at any time.
5. **There are no make-up exams.**

6. **Exams start at the beginning of class.** Students who arrive late will not be given extra time on the exam.
7. **Late policy on assignments.** Assignments are due at the start of class on the due date provided for the assignment. Assignments may be turned in early. Late assignments are subject to a penalty of 10% for each day (i.e., 24 hour period) that the assignment is late. For assignments that are submitted in class, the first “day” begins at the end of class on the due date listed. For Desire2Learn quizzes and Dropbox submissions, the first “day” begins at the beginning of class on the due date listed.

Students who miss class for valid (and documented) reasons are responsible for contacting the instructor to have late penalties waived. What constitutes a valid excuse and a reasonable waiver of late penalties is at the instructor’s discretion. Students have 7 days from the assignment deadline to coordinate and finalize these arrangements with the instructor.
8. **Attendance is expected.** Students are responsible for obtaining any missed information from other students. This includes information concerning quiz dates, exam dates, due dates, etc. Students who do not attend regularly generally do not do well in the course.

Academic Dishonesty

No form of academic dishonesty will be tolerated in this class. Any type of activity that is considered dishonest by reasonable standards may constitute academic misconduct. The most common forms of academic misconduct are cheating and plagiarism. All instances of academic dishonesty will result in a MINIMUM penalty of a grade of zero for the work involved. All instances of academic dishonesty will be reported to the [Office of Community Standards](#). Judicial procedures are described in the [Procedures for Adjudicating Alleged Academic Conduct Infractions](#).

Disruption of the Learning Environment

Behavior which disrupts the teaching–learning process during class activities will not be tolerated. While a variety of behaviors can be disruptive in a classroom setting, more serious examples include belligerent, abusive, profane, and/or threatening behavior. A student who fails to respond to reasonable faculty direction regarding classroom behavior and/or behavior while participating in classroom activities may be dismissed from class. A student who is dismissed is entitled to due process and will be afforded such rights as soon as possible following dismissal. If found in violation, a student may be administratively withdrawn and may receive a grade of WF.

More detailed descriptions of [examples of disruptive behavior](#) are provided in the Clayton State University Academic Catalog and Student Handbook.

Operation Study

At Clayton State University, we expect and support high motivation and academic achievement. Look for Operation Study activities and programs this semester that are designed to enhance your academic success such as study sessions, study breaks, workshops, and opportunities to earn Study Bucks (for

use in the University Bookstore) and other items. See the following site for details:

<http://www.clayton.edu/operation-study>

Changes or additions to this syllabus, including reading, exam schedule, grading, and course policies can be made at the discretion of the instructor at any time.

Last update: January 5, 2015
