

CASPER COLLEGE COURSE SYLLABUS

Course Number and Title: BIOL 1000, Introduction to Biology I

Semester/Year: Fall 2015

Lecture Hours: 3

Lab Hours: 3

Credit Hours: 4

Class Time: Section 01
Section 02

9:00 – 9:50 AM
11:00 – 11:50 AM

Days: MWF

Labs: LA, LB
LC
LD

12:00 – 2:00 PM
9:00 – 11:00 AM
11:00 – 1:00 PM

M or W
Th
Th

You must be scheduled for one of **Labs A through D in addition to the lecture component of this course.*

***30 minutes per week of additional lab time is required! See Instructor's Door Schedule for TBA times.*

Room: Lecture (MWF) - LS 109

Lab (M,W, or Th) – LS 203

Instructor's Name: Brandi R.K. Atnip, B.S., M.S.

Instructor's Office #: LS 110 (307) 268-2541

Email: batnip@caspercollege.edu

Office Hours: MWF 10:00 AM – 10:50 AM

Tues 12:00 PM – 12:50 PM & 2:15 – 2:45 PM

Thurs. 2:15 – 2:45 PM

Course Description:

A study of the cell as the unit of life, the chemistry of life, and an overview of the functioning of organs and organ systems of vertebrates. General biological principles such as genetics, homeostasis and structure/function relationships are emphasized. The course is appropriate for biology and biology-related majors, especially those pursuing health-related degrees such as Nursing, Medical Technology, Occupational Therapy, and Physical Therapy. It also fulfills the laboratory science requirement of such majors as Education, Social and Behavioral Sciences, Humanistic Studies and English. Completion of Biology at the high school level is desirable, but not necessary.

Statement of Prerequisites: None other than freshman standing.

Goal:

To present to the student the basic concepts of matter, energy, and the cell. Further, to build on these concepts such that the student becomes acquainted with the organization, structure and function of living systems.

Outcomes**:

As a result of successful completion of BIOL 1000, students shall be able to:

1. Define the basic structure of the atom
2. Describe the difference between organic and inorganic molecules
3. Match organelle structure with function
4. Explain the need for enzymes in the maintenance of living things
5. Discuss cell division processes
6. Distinguish the workings and interdependence of the musculoskeletal, circulatory, respiratory, digestive, excretory, immune, lymphatic, reproductive, nervous and endocrine systems in the human body.

**** The degree to which the student achieves these outcomes is dependent on the effort provided by the student and will be**

Methodology: Introduction to Biology is directed at students who will often take no further courses in biology or related fields. For this reason, emphasis is placed on material that will enable the student to understand physiological processes related to everyday life. Basic human anatomy is presented in the lab through a variety of models and histological slides. A representative mammalian dissection (fetal pig) will be studied as well. **YOU ARE REQUIRED TO PARTICIPATE IN AND COMPLETE BOTH THE LECTURE AND LAB PORTION OF THE COURSE IN ORDER TO RECEIVE A PASSING GRADE IN THE COURSE.**

Required Text, Readings, and Materials:

Your lecture text is *Human Biology: Concepts and Current Issues*, 7th ed., by Michael D. Johnson.

Class Policies:

The institutional withdrawal deadline is **November 12, 2015**.

Cell phones are to be turned to a “vibrate” or “silent” mode at all times. There will be **NO TEXTING** for any purpose. If you must take a call, please exit the classroom and conduct your call in the front lobby of the Life Science Building.

General Information:

As an instructor, it is my responsibility to ensure that the optimal learning environment is provided to all students. The following are examples of expected behaviors in this college classroom:

- Listen to all questions/statements made by your fellow classmates; these may enhance your understanding of the material.
- Always exercise your right to ask questions. There is absolutely no such thing as a “stupid question”. You should try to contact the instructor either during the posted office hours (see last page of syllabus) or by scheduling an appointment.
- You should set aside 9-10 hours per week for the successful completion of this course. Some units will be lighter in content than others, but as a rule you will need this much time (at least) to consider the text book’s presentation of a topic, the instructor’s PowerPoint presentation of the material and the corresponding laboratory material.

Student Rights and Responsibilities:

Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command:

If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the Department Head, Dr. Scott Johnson, then the Academic Dean, Dr. Grant Wilson, and lastly the Vice President for Academic Affairs, Dr. Shawn Powell.

Academic Dishonesty - Cheating & Plagiarism:

Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy:

If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use

Evaluation Criteria:

LECTURE:

Lecture is worth approximately 70% of your course grade. There will be 8 lecture exams of the objective type covering units 1-8 (See Lecture Topics). Each lecture exam will be 50 questions and will have a point value of 100 points (2 points per question). **THERE WILL BE NO MAKEUPS FOR LECTURE EXAMS.**

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

LAB:

The laboratory portion of the course constitutes the remaining 30% of your grade, and is worth 500 points. Four lab exams, each worth 100 points, will be given during the term (see Lab Schedule). You will NOT receive a separate final grade for lab AND **there are NO makeup exams in lab**. At the end of the semester we will have a laboratory assignment that will be worth 100 points. This assignment cannot be used to replace an exam score!

*** If you take all 8 lecture exams and all 4 lab exams, the lowest 3 exams will be dropped for the calculation of your final course grade. If you are missing test scores, they will automatically count as your dropped exams. ***

GRADES:

Your final grade in the course will be assigned based on the percentage of the total points you earn.

8 Lecture Exams	100 points each	= 800 points
4 Lab Exams	100 points each	= 400 points
(-) Lowest 3 Exams		= -300 points
Laboratory Assignment		= 100 points
= 1000 total points		
90% - 100%	= A	= 900 points or higher
80% - 89%	= B	= 800 - 899
70% - 79%	= C	= 700 - 799
60% - 69%	= D	= 600 - 699
<60%	= F	= below 600 points

Additional Information:

1. Pre/Post Exam: You are required to complete a pre and post exam for this course. The pre-test is scheduled for your 1st lab period the week of August 24. The post-test is scheduled for your last lab period the week of December 7. **You MUST have a score reported for both of these exams in order to be considered as having completed the course.**
2. All lecture exams will be **CLOSED BOOK/CLOSED NOTES**. These exams will be objective (multiple choice, true/false, and matching). **There will be ABSOLUTELY NO USE OF ELECTRONIC DEVICES DURING EXAMS!!**
3. There will be **ZERO** tolerance of cheating. Those students caught cheating will receive an "F" grade for the course (see student handbook).

The Instructor reserves the right to change this syllabus at any time, as long as students are properly notified in writing.

Tentative Lecture Exams by Topic

All lecture exams are worth 100 points for a total of 800 points. See testing policy for additional information. EXAM DATES ARE TENTATIVE.

EXAM 1 Friday - 9/11	Introduction, Biological Chemistry, The Cell, and Evolution <i>Chapters 1-4 & 22</i>
EXAM 2 Monday – 9/28	Cell Division, Protein Synthesis, Cellular Respiration (Metabolism), General Metabolism and Genetics <i>Chapter 17, Chapter 3 (pg. 67-75), Chapter 19</i>
EXAM 3 Monday – 10/12	Integument, Skeletal System and Muscular System <i>Chapter 4 (4.7), Chapter 5 & Chapter 6</i>
EXAM 4 Monday – 10/26	Digestive and Excretory Systems <i>Chapter 14 & 15</i>
EXAM 5 Wednesday – 11/11	Cardiovascular System / Immune System <i>Chapter 7, 8 & 9</i>
EXAM 6 Monday – 11/23	Respiration, Development & Aging, and Cancer <i>Chapter 10, 18 & 21</i>
EXAM 7 Monday – 12/7	Reproductive and Nervous Systems <i>Chapter 16 & 11-12</i>
EXAM 8 Finals Week - TBA "Final" Exam	Endocrine System <i>Chapter 13</i>

Tentative Laboratory Exams by Topic*

All exams are worth 100 points for a total of 400 points. See testing policy for additional information.

EXAM 1	9/21 – 9/25	Microscope, Tissues, Cell Division & Cell Structure (Labs 1 & 2)
EXAM 2	10/5 – 10/9	Skeletal System (Lab 3)
EXAM 3	10/26 – 10/30	Respiratory & Digestive Systems (Lab 4)
EXAM 4	11/16 – 11/20	Cardiovascular & Reproductive Systems (Lab 5)

See complete Lab Schedule on next page
BIOL 1000 – Section 01 & 02
Tentative Lab Schedule
Fall 2015

WEEK	LAB DATE	CONTENT
1	8/24 – 8/28	Pre-Test (Complete by Thursday 8/27 1:00 PM)
2	8/31 – 9/4	Microscopes & Tissues (Lab #1)
3	9/8 – 9/11	Open Labs – Continue learning material from Lab #1
4	9/14 – 9/18	Cell Division/Cell Structure (Lab #2)
5	9/21 – 9/25	Lab Exam 1 – Over Labs 1 & 2 (100 pts., 50 questions)
6	9/28 – 10/2	Skeletal System (Lab #3)
7	10/5 – 10/9	Exam 2 – Over Lab 3 (100 pts., 50 questions)
8	10/12 – 10/16	Digestive System & Respiratory System - (Lab #4)
9	10/19 – 10/23	NO LABS THIS WEEK – FALL BREAK
10	10/26 – 10/30	Exam 3 – Over Lab 4 (100 pts., 50 questions)
11	11/2 – 11/6	Cardiovascular System & Reproductive System - (Lab #5)
12	11/9 – 11/13	Open Labs – Continue learning material from Lab #4
13	11/16 – 11/20	Exam 4 – Over Lab 5 (100 pts., 50 questions)
14	11/23 – 11/27	OPEN LABS THIS WEEK (Happy Thanksgiving) Continue learning material from Lab #5
15	11/30 – 12/4	Scientific Method Laboratory – Assignment
16	12/7 – 12/11	Post Test (Complete by Thursday 12/10 1:00 PM)

Name: Brandi Atnip		Office: LS 110		Semester: Fall 2015	
Dept.: BIOLOGY		Ext.: 2541		School: Science	
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
7-7:50AM CRS/CRS# BLDG/RM					
8-8:50 AM CRS/CRS# BLDG/RM					
9-9:50 AM CRS/CRS# BLDG/RM	BIOL 1000 Intro to Biology LS 109 SEC 01		BIOL 1000 Intro to Biology LS 109 SEC 01	BIOL 1000 Lab C	BIOL 1000 Intro to Biology LS 109 SEC 01
10-10:50AM CRS/CRS# BLDG/RM	OFFICE HOURS		OFFICE HOURS	9:00-11:00 LS 203	OFFICE HOURS
11-11:50AM CRS/CRS# BLDG/RM	BIOL 1000 Intro to Biology LS 109 SEC 02		BIOL 1000 Intro to Biology LS 109 SEC 02	BIOL 1000 Lab D	BIOL 1000 Intro to Biology LS 109 SEC 02
12-12:50PM CRS/CRS# BLDG/RM	BIOL 1000 LAB A	OFFICE HOURS	BIOL 1000 LAB B	9:00-11:00 LS 203	
1-1:50 PM CRS/CRS# BLDG/RM	12:00 – 2:00 LS 203	FCSC 1141 Principles of Nutrition LS 109 SEC 02 1:00 – 2:15	12:00 – 2:00 LS 203	FCSC 1141 Principles of Nutrition LS 109 SEC 02 1:00 – 2:15	
2-2:50 PM CRS/CRS# BLDG/RM	BIOL 1000 Lab TBA hours	OFFICE HOURS	BIOL 1000 Lab TBA hours	OFFICE HOURS	
3-3:50 PM CRS/CRS# BLDG/RM					
4-4:50 PM CRS/CRS# BLDG/RM					
5-5:50 PM CRS/CRS# BLDG/RM					
6-6:50 PM CRS/CRS# BLDG/RM		BIOL 1000 N1 IS SCHEDULED FOR ON-LINE DELIVERY WITH THE LABORATORY SESSIONS INCLUDED			
7-7:50 PM CRS/CRS# BLDG/RM					
8-10:00 PM CRS/CRS# BLDG/RM					