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 N1 ON-LINE DELIVERY **Days:** ON-LINE DELIVERY

*You ARE scheduled for Lab N1 in addition to the lecture component of this course.

Room: ON-LINE DELIVERY

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

Instructor's Office #: LS 110 268-2541 **Email:** batnip@caspercollege.edu

Office Hours: MWF 10:00 AM – 10:50 AM MST
Tues 12:00 PM – 12:50 PM MST & 2:15 – 2:45 PM
Thurs 2:15 – 2:45 PM
Other times available by appointment

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 reflected in the grade earned in this class.**

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. For the on-line students, you will be presented with photographs of these models and dissections and your examinations will be prepared from that material. **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.

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 virtual college classroom:

- Read all questions/statements made by your fellow classmates; these may enhance your understanding of the material.
- Use discretion when participating in discussion forums and when asking questions. Please read and abide by the Netiquette policy for the course, as described in the course shell.
- 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 a phone 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 appropriate accommodations.

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. Five 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**.

*** If you take all 8 lecture exams and all 5 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.***

DISCUSSION FORUMS:

There will be a "Questions" forum for each lecture topic. Occasionally I will post a point for consideration and discussion in this area. It is also a place for you as students to ask the questions you might ask if we were in the traditional classroom. It is often the case that one student's question will spark several more, and/or will answer questions that other students have. In order to keep you all engaged in the content I ask for consistent participation in these forums. There will NOT be a specific point total assigned unless the instructor deems this necessary or warranted as we progress.

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
5 Lab Exams	100 points each	= 500 points
(-) Lowest 3 Exams		= -300 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). **The length of the exam necessitates that you spend only about 1 minute on each question, thus trying to use resources during the exam will prevent you from completing the exam in the time allowed (50 minutes).**

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 and The Cell *Chapters 1-4*
EXAM 2 Friday 9/25	Cell Division, Protein Synthesis, Cellular Respiration (Metabolism) and General Metabolism *Chapter 17, Chapter 3 (pg. 67-75)*
EXAM 3 Friday 10/9	Integument, Skeletal System and Muscular System *Chapter 4 (4.7), Chapter 5 & Chapter 6*
EXAM 4 Friday 10/23	Digestive and Excretory Systems *Chapter 14 & 15*
EXAM 5 Friday 11/6	Cardiovascular System / Immune System *Chapter 7, 8 & 9*
EXAM 6 Friday 11/20	Respiration, Aging and Cancer *Chapter 10, 18 & 21*
EXAM 7 Friday 12/4	Reproductive and Nervous Systems *Chapter 16 & 11-12*
EXAM 8 "Final" Exam Friday 12/11	Endocrine System *Chapter 13*

Tentative Laboratory Exams by Topic*

All exams are worth 100 points for a total of 500 points. See testing policy for additional information.

EXAM 1	9/18 Microscope, Tissues, Cell Division & Cell Structure (Labs 1 & 2)
EXAM 2	10/2 Skeletal System (Lab 3)
EXAM 3	10/23** Respiratory & Digestive Systems (Lab 4)
EXAM 4	11/13 Cardiovascular System (Lab 5)
EXAM 5	12/4** Urogenital & Nervous Systems (Lab 6)

** Both a Lecture and Lab exam are open on these weekends!!

See complete Lab Schedule on next page

BIOL 1000 – Section N1
Tentative Lab Schedule
Fall 2015

WEEK	*LAB DATE*	*CONTENT*
1	8/24 – 8/28	**Pre-Test (Complete by Sunday 8/30 11:55 PM)**
2	8/31 – 9/4	Microscopes & Tissues **(Lab #1)**
3	9/8 – 9/11	Cell Division/Cell Structure **(Lab #2)**
4	**EXAM OPEN 9/18 – 9/20**	**Lab Exam 1 – Over Labs 1 & 2** (100 pts., 50 questions)
5	9/21 – 9/25	Skeletal System **(Lab #3)**
6	**EXAM OPEN 10/2 – 10/4**	**Exam 2 – Over Lab 3** (100 pts., 50 questions)
7	10/5 – 10/9	Digestive System – Pigs / Models **(Lab #4A)**
8	10/12 – 10/16	Respiratory Systems – Pigs / Models **(Lab #4B)**
9	**EXAM OPEN 10/23 – 10/25**	**Exam 3 – Over Lab 4** (100 pts., 50 questions)
10	10/26 – 10/30	Cardiovascular System **(Lab #5)**
11	11/2 – 11/6	Continue Lab #5 – Cardiovascular System
12	**EXAM OPEN 11/13 – 11/15**	**Exam 4 – Over Lab 5** (100 pts., 50 questions)
13	11/16 – 11/20	Nervous System (Models) Urogenital System – Pigs / Models **(Lab #6A & Lab #6B)**
14	11/23 – 11/27	**Open Lab (Happy Thanksgiving)**
15	**EXAM OPEN 12/4 – 12/6**	**Exam 5 – Over Lab 6** (100 pts., 50 questions)
16	12/7 – 12/11	**Post Test / Finals Week**

As an on-line student, you will be provided images of the models and dissections that students on campus will be utilizing. The laboratory sessions will involve descriptions and labeled images whereas the laboratory exams will require you to identify unlabeled images and will necessitate that you be able to answer basic objective –type questions related to the lab material.

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** 9:00-11:00 LS 203	**BIOL 1000** Intro to Biology LS 109 SEC 01
10-10:50AM CRS/CRS# BLDG/RM	**OFFICE HOURS**		**OFFICE HOURS**		**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** 9:00-11:00 LS 203	**BIOL 1000** Intro to Biology LS 109 SEC 02
12-12:50PM CRS/CRS# BLDG/RM	**BIOL 1000 LAB A** 12:00 – 2:00 LS 203	**OFFICE HOURS**	**BIOL 1000 LAB B** 12:00 – 2:00 LS 203		
1-1:50 PM CRS/CRS# BLDG/RM		**FCSC 1141** Principles of Nutrition LS 109 SEC 02 1:00 – 2:15		**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					