COURSE SYLLABUS

Please read the following course syllabus carefully, especially the course dates, times and location. If you have any questions, please do not hesitate to communicate with the IDEAL Program office, your academic advisor, or the instructor.

The IDEAL degree-completion program is designed with the adult learner in mind. Adult learners approach learning with specific goals, want to be able to directly apply new learning to their work and personal lives, and tend to learn best when the coursework is problem-centered so that they are actively engaged in the learning process. In addition, adults bring rich and varied experience to the classroom, which becomes a valuable learning resource for other students.

The IDEAL Program assumes joint responsibility in the learning process. The activities and assignments in the courses build on the shared experience of all learners in each class. This is why each student's preparation, participation and interaction in class activities and discussions are critical to the success of each course. The accelerated format of each course requires a significant amount your time outside the classroom to prepare for and complete the course assignments. This varies between students and courses; however, students typically spend nine-twelve hours per week on course material.

To participate in the IDEAL Program, it is expected that you will do the following:

1. Attend every class session. Be on time.
2. Obtain the required course materials prior to the first class session.
3. Complete the first assignment prior to the first class session and all subsequent assignments to the best of your ability.
4. Participate in the class discussions and demonstrate respect and consideration to the instructor and other students when they express themselves in discussion.

If you cannot perform these four expectations, it is recommended that you drop the course. We look forward to your academic success in each course and the ultimate completion of your degree.

Course No. & Title: SCI C102 WB8W1, Human and the Environment
Semester and Term: Spring 2014
Day and Dates: Thursdays 1/16/14 – 3/6/14
Time: 6pm – 9pm
Campus Location: Waterbury

Course Description:
A scientific examination of the human organism and the interactions between humans and the environment as they affect not only humans but also the health and viability of home planet Earth.
Prerequisite Courses: None
Course Code: LA, NS

Instructor & contact information: Janice LaPlante, Ph.D. jlaplant@bridgeport.edu

Required Textbook: "Human Biology" by Mader ISBN 9780073525488 13th edition McGraw-Hill Publishers

To order textbooks, go to the bookstore website at http://bridgeport.textbooktech.com/
Select IDEAL Campus and login to the bookstore. Select the course and follow instructions.

Learning Outcomes:
Upon completion of this course the student should be able to:

- demonstrate a sound understanding of how scientists work (The Scientific Method).
- describe the basic chemistry of life and the structure and functions of the cell.
- identify the major body organ systems and their functions.
- explain the causes and prevention of diseases common to the organ systems and apply the knowledge gained to the protection of their own bodies.
- acquire new knowledge and ways of knowing about their lives in relation to the environment/world in which they live.
- develop techniques of caring for and protecting the environment for the good of man and other organisms that inhabit the planet earth.

Assignment to be completed <u>Before the first class</u>:
a. Familiarize yourself with the text book for 1st class. Read Chapter 1.
b. The textbook has a great companion website. Please familiarize yourself with the website for the 1st class: w.mhhe/maderhuman13e

Go to Online Learning Center on left side- Click "Student Edition"

You will find a lot of helpful free digital learning tools. For example, BIOLOGY Prep is a website created to prepare students for their upcoming coursework in biology. This website enables students to perform self assessments, conduct self study sessions with tutorials, and perform a post-assessment of their knowledge in the following areas: introductory biology skills, basic math, metric system, chemistry, and lab reports.

c. We will be relying heavily on the course Canvas throughout the semester. In order to become comfortable with the site you will need to practice navigating around it. This course's site will be available at least one week before the first class. Go to the announcement page and find the instructions to get to a tutorial that includes two short assignments for the first week.

Syllabus updates: The schedule below is subject to change. Because the textbook is rather broad, in many cases, the reading assignments will be narrowed to specific sections of the chapter. When a new version of the Syllabus is placed on the Canvas, the change will be noted on the Announcement Page, so check for the latest version before reading.

<u>SCI-C102 LECTURE SCHEDULE – Spring Session I -2014 LaPlante</u>

DATE	TOPIC

PART I

WEEKS 1-4: THE INFRASTRUCTURE OF LIFE
CHAPTERS 1-3, and excerpts from Ch 18, 21 and 17.

In Part 1 of the course we will look at the approach that scientists take in studying life science. We will learn about the building blocks of life and how they self-assemble to create the smallest functional unit of life- the cell. We will then learn about how the most fundamental cell of an organism, the fertilized egg, is programmed to develop into a fully functional human being.

Session 1

January 16th **Topic: Exploring Life and Science**

Prior to class Read the following:

Chapter 1 Exploring Life and Sciences

Reading should be completed before each class in order to provide the background needed for the lecture and discussion. Students must bring their book to the first class. No excuses will be tolerated for not purchasing the book!

Assignment: After class Login to Canvas for **Quiz #1** and details for Homework Assignment.

Session 2

January 23rd

Topic: Molecules of Life

Prior to class Read the following:

Chapter 2 Chemistry of Life

Assignment: After class Login to Canvas for **Quiz #2** and details for Homework Assignment

Session 3

January 30th

Topic: The Role of DNA in Life

Prior to class Read the following:

Chapter 18 (Sections 18-1-18-3) – The Cell Cycle (DNA Replication)

Chapter 21 (Sections 21.1-21.2) – DNA Biology

Chapter 22 (Sections 22.2) – Biological Evolution

Assignment: After class Login to Canvas for **Quiz #3** and details for Homework Assignment

Session 4

February 6th

Topic: The Cell - the structural and functional unit of all living things

Prior to class Read the following:

Chapter 3 Cell Structure and Function

Section 22.1 - Origin of Life

Assignment: After class Login to Canvas for **Quiz #4** and details for Homework Assignment

PART II

WEEKS 5-8: ORGANIZATION AND FUNCTION OF THE TISSUES

In Part II we will look at several of the organ systems in the human body as models for how cells are organized into tissues, how tissues are organized into organs, how organs work together within an organ system, and how the organ system acts as a machine to perform a set of critical

functions with the human body. We will then discuss how the breakdown of that organ system leads to disease.

Session 5

February 13th

Topic: Digestive system, nutrition and related diseases

Prior to class Read the following:
Chapter 8 - Digestive System and Nutrition

Assignment: After class Login to Canvas for **Quiz #5** and details of Homework Assignment

Session 6

February 20th

Topic: Development, Aging and Disease

Prior to class Read the following:
Chapter 17– Human Development and Aging

Sections 5.1 and 5.6 - Cardiovascular system

Section 15.5 - Diabetes

Assignment: After class Login to Canvas for **Quiz #6** and details of Homework Assignment

Session 7
February 27th

Topic: Cancer

Prior to class Read the following:
Chapter 19 Cancer

Assignment: After class Login to Canvas for **Quiz #7** and details of Homework Assignment

Session 8
March 6th

Topic: Immune system, Infectious disease

Prior to class Read the following:
Chapter 7 AND
Infectious Disease Supplement following Chapter 7

EVALUATION:

1. **Exams:** 7 quizzes, (given after weeks 1, 2,3,4,5, 6, and 7). These will be take home tests, open book. You can use the textbook, notes and lecture slides, but you will not be allowed to collaborate with other students. The lowest score will be dropped.

   Grading: 10 points each @ 10% of total grade. (6 x 10 = 60%).

2. **Homework: a combination of worksheets, writing assignments, virtual labs**, etc. total: @ 30% of grade

3. **Class attendance/participation/behavior/professionalism** @ 10% of grade. Points will be deducted for chronically arriving late or leaving early or without permission, disrespectful or unprofessional behavior such as gossip, backbiting, intimidation or otherwise generating a hostile atmosphere, failing to contribute on a regular basis to in class discussions, failing to bring textbook to class, etc.

4. **Extra credit:** Optional small projects-details to follow, up to 10 pts (10%) allowed per student.

5. **Late assignments:** All of the exams and homework assignments are tied in with the current course material. Each class builds on the material from the week before. **Therefore, late exams will not be accepted, and late assignments will receive a substantial deduction in the grade.**

Letter Grading Scale:

% of Points Earned	Letter Grade
100-94	A
93-90	A-
89-87	B+
86-84	B
83-80	B-
79-77	C+

% of Points Earned	Letter Grade
76-74	C
73-70	C-
69-67	D+
66-64	D
63-60	D-
Below 60	F

Reading must be completed before each class in order to provide the background needed for the lecture and discussion. Students must bring their book to the first class, and it is recommended that they bring it to every subsequent class because we will be using it for open book quizzes and in class discussions. No excuses for not purchasing the book!

In Class Workshops/Homework Assignments: The textbook gives an overview of human biology, including the organization and function of molecules and cells, and how they interact to

form our organ systems. The homework assignments are designed connect the basic information in the textbook to life science themes that we encounter in our everyday lives. These will be tied into the in-class workshops, and will include a combination of readings/worksheets, Virtual Labs, and online research. Each of these is designed to tie the content of the lesson to real life issues that are both interesting and relevant to the student. The Virtual Labs are exercises designed to make the student think like a scientist to solve the type of problems that a working scientist might encounter. The readings/worksheets/online research include material about disease or scientific issues of interest to you as a member of the community.

ACADEMIC POLICIES

Attendance Policy

Classroom attendance is an integral part of the academic experience; therefore, students are expected to attend all class sessions. If an absence is unavoidable, the student, prior to class, should communicate with the instructor. Arrangements should be made at that time for submission of any missed assignments. It is also expected that students arrive on time and not leave until the class is dismissed. Tardiness will result in a reduced grade for the course. If you cannot attend every class session you should consider dropping the course.

IMPORTANT:

- Missing one class session will drop the final grade by one letter grade (for example if a student earns a grade of "B" in the course, the final grade would be a "C").
- Missing two or more class sessions will be cause for a failing grade.
- Note: For 15-week courses; missing two class sessions will result in a letter grade drop and three or more will cause a failing grade.

Drop Procedures

To drop a course, you must complete and submit a Schedule Change Request Form. The form can be accessed at the IDEAL Course Schedule webpage: http://www.bridgeport.edu/academics/continuinged/ideal-academic-degree-programs-and-certificates/ideal-course-schedule/.

Please print and complete the form and fax the form to the IDEAL Office: 203-576-4537. Prior to dropping a course, the student should contact their IDEAL Academic Advisor to understand the implications to financial aid and/or degree plan progress.

Please review the drop fees and tuition refunds at the Academic Calendar; accessed at the IDEAL Course Schedule webpage (same link above).

Cell Phones

Cell phones must be turned off (or placed on "vibrate") while in the classroom. A cell phone call is disruptive and disrespectful to the other students in the class.

Academic Dishonesty

The IDEAL program prohibits all forms of academic dishonesty. Academic dishonesty is normally defined as, but not limited to, the following two categories:

Cheating – Using inappropriate sources of information in an assignment or on a test. The following are examples of cheating taken from real student experiences:

> Case #1: A student is enrolled in an introductory psychology course. He has co-workers who have taken the same course. As the end of the course approaches, he wonders how he will find the time to get the research paper finished, and asks one of his co-workers for help. His co-worker hands him a research paper that he submitted in a similar course. The student makes minor modifications to the paper, and submits it under his own name.
>
> Case #2: A student enrolled in a humanities course is unsure about how to structure an essay. She is doing research on the World Wide Web, and comes across an essay written by a student from another university. Using her computer mouse, she copies and pastes the essay into her word processor. She goes to great lengths to re-word the paper in her own style, but essentially leaves the content and organization the same.

Plagiarism – Intentional as well as unintentional failure to acknowledge sources as well as the use of commercially available so-called "research papers" without full recognition of the source. Presenting as one's own, the ideas, words, or products of another. The following are examples of plagiarism taken from real student experiences:

> Case #3: A student is conducting research for a Civil War research paper. He has reviewed work on the Internet. Finding helpful information, he has summarized his findings <u>without citing his sources</u>. He believes that minor paraphrasing is all that is necessary.
>
> Case #4: A student is writing a paper that requires her to address specific topics and problems in the assigned course textbook. She takes the information directly from the textbook with slight modification, without giving any citation. She thinks that since it is the course textbook, she doesn't have to use quotations or citations.

Academic dishonesty applies to all courses, assignments or exams completed by students and submitted as their own original work, whether in person or by electronic means. The University does not tolerate cheating in any form. It is a serious breach of conduct with serious consequences. Instructors have the right to determine the appropriate penalty for academic dishonesty in their own courses; generally, however, such acts will result in a failing grade for the assignment and/or the course. The penalty for subsequent acts of academic dishonesty may include expulsion.

More information on how to recognize plagiarism can be found at this site:
<u>http://www.indiana.edu/~istd/plagiarism_test.html</u>

Ethics Statement of Confidentiality

An integral component of an IDEAL course is student and faculty expression of personal experiences for the purpose of facilitating coursework. Students enrolled in the program are expected to honor confidentiality as it pertains to student disclosure. Shared information, comments, or opinions expressed by another student or the faculty member during the course of classroom discussion should never be used in a manner which is intended to humiliate, embarrass, harass, damage, or otherwise injure other students in their personal, public, or business lives. In addition, confidentiality must be upheld by not disclosing any information that would identify any particular individual.

ACADEMIC RESOURCE CENTER

The Academic Resource Center is available for IDEAL students seeking help in their studies. The Center is staffed by writing professionals and peer tutors. More information can be found at: http://www.bridgeport.edu/pages/2209.asp The Center is located on the 5th Floor of the Wahlstrom Library. Make an appointment or walk-in: Telephone: 203-576-4290. **Online Tutoring** is available at: www.etutoring.org. To use this free service you must have a UBNet account.

Obtaining a UBNet Account

Every registered student should obtain a UBNet Account. The account allows you to access MyUB; the portal for grades, library services, Canvas online learning system. Also, the account allows you access to computers in the Library and computer labs, and provides an email account in which the University sends out information. Go to: http://www.bridgeport.edu/ubnet - Click on "New UBNet Account" and follow the instructions.

The @bridgeport.edu email address is the official email the University uses to send information to you. You can have your bridgeport.edu email forwarded to any other private email account you use. Following the activation of your UBNet account (takes 24 hours), login at: http://www.bridgeport.edu/email and click on "forwards" at the top of the page. Follow the directions to forward email messages to your other account.

Learning Management System (LMS) - Canvas

For all courses that use Canvas, you can access Canvas through the portal by using the myUB link. Faculty post class documents on Canvas e.g. syllabus, power points, discussion questions, case studies, current event articles, papers, reports etc. (save some trees). All students have access, and can download and copy the documents.
Canvas Tutorial For Students: https://bridgeport.instructure.com/courses/985903
For assistance contact the UB Help Desk at 203-576-4606 or email helpdesk@bridgeport.edu
https://bridgeport.instructure.com/courses/829447/

Accessing Your Grades & Schedule Online

The WebAdvisor online information system allows students to search for available classes, check grades, view semester class schedule and verify your personal profile. Grades are generally posted 2-3 weeks following the end of a course. To access WebAdvisor, login in to MyUB and follow the WebAdvisor menu on the right. If you are carrying a financial balance, access to WebAdvisor will be restricted.

Using the Library

Access to the Digital Library is through MyUB. On the MyUB home, in the central column, click on "myEureka Digital Library." Research tools available:

- Search for books held at the library.
- Search the online databases for your academic field; business, counseling, human services, psychology, etc.
- Send questions to the Reference Librarian for assistance in research topics and searching strategy.

Using Computers

Open access computer labs are available at three locations:

- Bridgeport – 1st floor of the Wahlstrom library. Check library hours of operation at: http://www.bridgeport.edu/library.
- Stamford – Room D; Check open hours at: http://www.bridgeport.edu/stamford
- Waterbury – Computer Lab; Check open hours at: http://www.bridgeport.edu/waterbury

Course Cancellations

Any emergency necessitating the canceling of courses will be announced by the University through the Emergency Notification Telephone Line, (203) 576-4159. Please call this number for information on course cancellations. Also, information will be posted under "Latest News" on the UB home page, (www.bridgeport.edu). Canceled classes will be made up either the week following the end of the course or in consultation between the instructor and the students as to day and time availability. Course cancellations are also announced on television and radio stations.

IMPORTANT CONTACT INFORMATION

Office	Telephone	Email
Bridgeport Campus Security	(203) 576-4911	ubsecurity@bridgeport.edu
Bursar	(203) 576-4692	sfs@bridgeport.edu
Cashier	(203) 576-4682	sfs@bridgeport.edu
Financial Aid	(203) 576-4568	sfs@bridgeport.edu
Registrar	(203) 576-4635	registrar@bridgeport.edu
Emergency Notification Phone	(203) 576-4159	
IDEAL Office	(203) 576-4800	idealinfo@bridgeport.edu

CAMPUS CONTACT INFORMATION

Campus	Address	Telephone	Email
Bridgeport	126 Park Avenue Bridgeport, CT 06604	(203) 576-4800	idealinfo@bridgeport.edu
Stamford	5 Riverbend Drive Stamford, CT 06750	(203) 358-0700	ubstamford@bridgeport.edu
Waterbury	84 Progress Lane Waterbury, CT 06705	(203) 573-8501	ubwaterbury@bridgeport.edu

Directions to IDEAL Campus locations	http://www.bridgeport.edu/pages/2260.asp

To fill out your financial aid report to the Federal Government, please go online to www.fafsa.ed.gov. The school code for the University of Bridgeport is 001416. Federal Student Aid Information: 1-800-433-3243