

INSTRUCTOR:

Kevin Williams, Ph.D. Hartline Science Center #103	Email: Kwillia4@bloomu.edu Office Phone: 389-4131
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OFFICE HOURS:

Monday: 12:30pm-1:30pm, Wednesday: 8:30-9:30am & 4:30-5:30pm
Thursday: 10:00am-12:00pm

COURSE LEVEL:

This course is a non-majors biology course, it does **not** count towards the biology major. It does count for three-credits of "Group-C Natural Science and Mathematics."

MEETING TIMES:

Monday and Wednesday 3:00-4:15pm in HSC 134 (Kuster Auditorium)

WEATHER DELAYS AND CANCELLATIONS:

If classes are canceled because of weather the instructor may issue an additional assignment to help make up the missed material. If classes are canceled on the day an exam is scheduled, the exam will take place at the next regularly scheduled class period. In case of a compressed schedule this class will meet from 3:50- 5:15 instead of 3:00-4:15pm (for more information on compressed schedules see <http://www.bloomu.edu/facstaff/compressed.php>). If classes are compressed on the day of an exam class will meet, but the exam will be delayed until the next regularly scheduled class time.

TEXTBOOK:

Evolution and Ecology of the Organism by M.R. Rose and L.D. Mueller, 2006, published by Pearson-Prentice Hall, Upper Saddle River, New Jersey

EVALUATION / GRADES:

ITEM	POINTS
Quizzes	150
Exam 1	150
Exam 2	150
Exam 3	150
Exam 4	150
Final Exam (Comprehensive)	250
Total	1000

EXAMS: The exams will consist of multiple choice questions. They will cover both materials presented in class and materials covered in assigned readings. Students will be required to present their student identification card on exam days. The instructor reserves the right to issue a zero for any student who does not properly enter their name and student number on the answer sheet for the exam.

MAKE-UP EXAMS: Make-ups will be given ONLY if the student has a documented excuse which conforms to the guidelines for class attendance specified by University Policy 3506 (personal illness, death or critical illness of immediate family member, or participation in a University-sponsored co-

curricular activity). Missing the exam for any other reason will result in a zero on that exam. For security reasons make-up exams will differ in details and may differ in format (essay instead of multiple choice) from the exam administered in class. . No exceptions will be made.

Quizzes: A minimum of 14 quizzes will be given. These will be electronically administered, students who do not purchase or register their personal response pads will receive zeros on these quizzes. The quizzes will be “pop quizzes” administered at the arbitrary whim of the instructor. Make-ups will not be allowed for quizzes, but the lowest three quiz grades will be dropped. Partial credit will be given being present to take the quiz.

Assignments: A minimum of three assignments will be announced during the semester in class. These assignments will be worth a total of points

ATTENDANCE: Attendance to all class meetings is required.

GRADING SCALE:

GRADE	Lowest %	Highest %
F	0	59.9
D	60	69.9
C-	70	72.9
C	73	75.9
C+	76	79.9
B-	80	82.9
B	83	85.9
B+	86	89.9
A-	90	92.9
A	93	100

CHEATING

Don't!!!

The Academic Integrity Policy as stated in PRP 3512 (note see: <http://www.bloomu.edu/facstaff/prps/3512.php>) will be enforced in this class. The instructor holds himself and his student's to a high standard of integrity and will advocate severe penalties for any student caught cheating.

TENTATIVE SCHEDULE

#	DATE	DOW	TOPIC
1	Jan 17	Wed	Introduction – Syllabus, Why Science is Hard, Reasoning Scientific Method and Reasoning
2	Jan 22	Mon	The History of the idea of evolution. (Read Chapter 1)
3	Jan 24	Wed	Darwin's theory of mutable species and the tree of life. (Read Chapter 2)
4	Jan 29	Mon	
5	Jan 31	Wed	Exam 1. Chapters 1 & 2 and class materials
6	Feb 5	Mon	Inheritance and the mechanisms of evolution (Read Chapter 3)
7	Feb 7	Wed	Genetic Drift and Population Genetics (Read Chapter 4)
8	Feb 12	Mon	Natural Selection as a mechanism of evolution & Types of selection
9	Feb 14	Wed	Genes, Molecules, and Inheritance (Read Chapter 5)
10	Feb 19	Mon	Molecular Homology - Analogy and Evolution
11	Feb 21	Wed	Exam 2. Chapters 3,4 & 5
12	Feb 26	Mon	Theories of Extinction and Speciation (Read Chapter 6)
13	Feb 28	Wed	The fossil record
14	Mar 5	Mon	Trends in the history of life.
15	Mar 7	Wed	Introduction to ecology and scales of explanation. (Read Chapter 7)
Mar 10-18 Spring Break – Class will not meet			
16	Mar 19	Mon	Niche theory, physiology and biodiversity (Read Chapter 8 & 9)
17	Mar 21	Wed	Adaptation and the environment.
18	Mar 26	Mon	Population biology (Read Chapter 10)
19	Mar 28	Wed	Human population growth
20	Apr 2	Mon	Exam 3 Chapters 6-10
21	Apr 4	Wed	Species Interactions – (Read Chapter 11, 12, 13, 14)
April 6-9 Spring Weekend			
22	Apr 11	Wed	Community Ecology (Read Chapter 15)
23	Apr 16	Mon	Ecosystems Ecology (Read Chapter 16)
24	Apr 18	Wed	Global Climate change
25	Apr 23	Mon	Global Climate change
26	Apr 25	Wed	Exam 4 Chapters 11-16
27	Apr 30	Mon	Human Evolution
28	May 2	Wed	Human Evolution
May 3-4 Reading Days -- No Class			
29	May 11	Friday	10:30am Final Exam (for final exam schedule see -- http://www.bloomu.edu/facstaff/exams.php)

Student Instructions for Response Pad

Student Instructions to Register Response Pad

Enroll in a Class

You will need:

Class Name: Ecology and Evolution

Class Designation 50-102-01

Class Key: n25181e82

- Class Key (n25181e82)
- Connection to the Internet
- Enrollment Code (may be purchased at the bookstore for \$18.75) **or** Method of Payment (Credit card or personal check)

Enrolling through CPSONline

If you enroll through CPSONline, you will first need to setup a CPSONline account.

1. Go to www.einstruction.com.
2. Click on the **Students** link at the top left of the window.
3. Select your school or university from the drop-down menu.
4. Click **Choose Site**.
5. Enter your serial number in the space provided. You can find your serial number on your LCD screen when you turn on your pad: if your pad does not have an LCD screen, your serial number is on the back of the pad, under the battery cover.
6. Click **Create Your Account**.
7. Create a CPSONline Username and Password and fill in your contact information. Click **Submit** to create your account.

You've now created a CPSONline account. You can use your CPSONline username and password to login anytime to CPSONline. Now you can enroll your pad in your class.

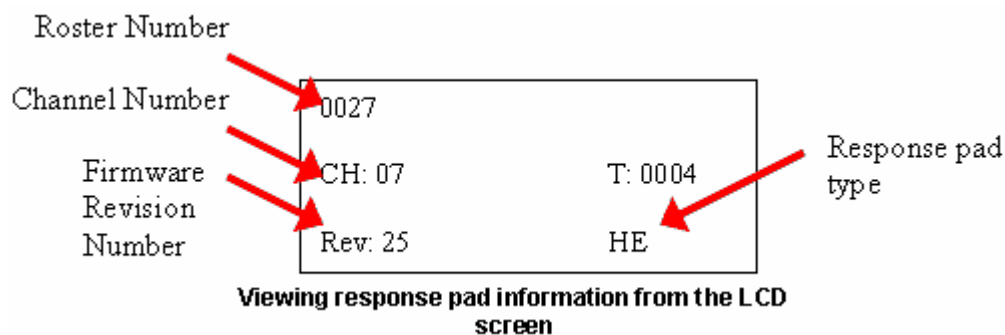
1. Click **Yes** to enroll immediately in your class.
2. Enter your **Class Key (n25181e82)** in the space provided. If you have a Code, enter it in the **Code** box. Note that a Code is not required.
3. Click **Submit** and choose your payment options. Click **Continue**.
4. Fill in your billing information and click **Continue**.
5. To join an additional CPSONline class, click the **Enroll in a class** button from the main menu.
6. Once you have finished enrolling in all of your classes, click **Log Out**. *So that CPSONline properly records your information, log out of CPSONline.*

NOTE: If you enroll in more than one class using CPS, your response pad may have a different assigned number for each class. Note your assigned response pad number after you enroll for each class, and use the reminder emails from elnstruction to keep track of your information.

Using the WHITE CPS_{RF} in your class

The elnstruction response pad is easy to use with CPS. Use the information below to learn how to use the buttons on the pad. If you have any questions, log onto www.elnstruction.com and use the **Customer Support** menu option. Type in your name and enter the live chat room for immediate help. You can also reach Technical Support at 888.333.7532.

- ✦ **Power** – turn the response pad on or off by pressing the **PWR/JOIN** button.
- ✦ **Join** – the response pads automatically search for a class roster to join whenever you turn on the pad.
- **Initiate Join** – to have the response pad begin searching for a class roster to join, turn on the response pad and press the **PWR/JOIN** button.
- **Manually Join** – to manually join a class, turn on the response pad and press the **PWR/JOIN** button twice. *Join:* appears on the LCD screen. Type in the channel number for the class roster you would like to join, and press **Send**.
- ✦ **Use Negative Numbers** – make a numeric response positive or negative by pressing the **+/-** button.
- ✦ **Enter Equations** – create equations by entering symbols into your response with the **Sym** button. You can include the following symbols: X, Y, =, (), . (decimal), + (plus operator), - (minus operator), / (division operator), * (multiplication operator), (space)
- ✦ **View Response Pad Information** – to view the response pad channel, roster number, and firmware version, turn the pad on and press the **<** button.



- ✦ **View Serial Number** – to view the serial number for your response pad, simply press the **PWR/Join** button to turn on the response pad. The serial number displays in the LCD screen as your response pad searches for a class roster to join. Your serial number will begin with “r1...”.

- ✦ **Adjust LCD Screen Contrast** – to adjust the LCD screen contrast, press the > button. Use the **A1** button to decrease the contrast and the **C3** button to increase contrast.

User Actions	Lights
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Using ORANGE & BLUE CPS_{RF} in your class

Use the Action table and button descriptions on the other side of these instructions for help operating your response pad.

Contact eInstruction Technical Support

Live Chat: www.einstruction.com, **Customer Support**. Phone: 888.333.7532

Turn the response pad on by holding down the Power button.	Both lights blink once when the pad is on. The red light continues to blink until you join the class.
Join your class by pressing Join , your class' channel number (displayed on the screen), and Send .	When you press Join , the red light will stay on. The red light flashes after each digit you press. When you press Send , the red light will blink quickly until CPS detects your response. Once CPS detects your response and you join the class, the green light will be solid for 5 seconds and then faintly pulse.
Respond to a question by entering your answer and pressing Send .	Watch the red light, which blinks each time you press a key, to make sure CPS records your response. The green and red lights blink simultaneously until CPS receives your response, then the green light will be solid for 5 seconds.
Confirm an answer (optional) by reentering your answer and pressing Send .	If your confirmation answer is the same as your original answer, the green light will be solid for 5 seconds. If your response differs, the red light will be solid for 5 seconds.
Turn your pad off by holding the Power button down for at least 4 seconds.	As you hold the Power button down, both lights will stay on for a few seconds and then go off. The pad will turn off automatically if it is out of range of the receiver for 5 minutes.

Using the Response Pad Buttons

Alphanumeric: These buttons (0-9 and A-J) are used to perform various functions including answering multiple-choice and numeric questions.

-: Press this button to make a response negative. If you press this button twice, your answer will be out of the acceptable range of answers and you have to reenter your answer.

C: Press this button to clear your answer and start again. Pressing this button will not affect answers that have already been sent.

•: Use this button to add decimals to numeric answers.

Join: Press this button followed by the class's channel number and **Send** to join the class.

Send: Use this button to send responses.

TO CHECK YOUR QUIZ GRADES ONLINE:

1. For you to check grades, go to <http://einstruction.com/>
2. Check Login and then click the Student button.
3. Select the University from the drop box and click Choose Course button.
4. Enter your Username and Password; click Submit.
5. Under your Account Information, click on the class name (ie Human Biology Sec 01).
6. On the next screen, from the selection in the left column, click Grades.