

Course Description:

This is an online non-major's biology course that focuses on general principles of biology including cell theory, genetics, evolution, and interrelationships of living things. The concepts covered are designed to foster critical thinking and the application of scientific knowledge in biology. Fulfills general education life sciences requirement. (3 credits)
Recommended co-requisite BIOL 1015.

Course objectives:

- How do your cells obtain energy and function at the chemical and cellular level?
 - Basic biochemistry
 - Cell structure and function
- Relate your knowledge of the cell to topics such as nutrition, cancer, genetic diversity, and inherited disorders.
 - Cellular reproduction
 - Inheritance patterns
- Analyze mechanisms of evolution to understand how living things change over time.
 - Explain 4 ways that evolutionary change can take place.
 - Describe ways that evolution can be observed today.
- Compare different ecosystems and learn how populations interact with the environment and each other.
 - Analyze factors that impact population growth and an organism's niche.
 - Explore various biomes and learn how energy flows through an ecosystem.
- Gain an appreciation for the variety of living things around you and for the importance of biodiversity to the quality of our lives.
 - Biological diversity (including bacteria, protists, fungi, plants and animals).
 - Human impact on the environment and ways we can preserve our world.

Instructor Contact Information:

Instructor: Debra Hanson

*Please contact me through **Canvas email**. I am here to help and will respond to your email within a 24 hour period (48 hours on weekends).

Other E-mail: Hansond@dixie.edu

Textbook and Computer Requirements

Required text: What is Life? A Guide to Biology and Prep-U 2/E

ISBN-10 1-4641-0720-3

Publisher: WH Freeman

Author: Jay Phelan

Prep-U access:

See the illustrations at the end of the syllabus for additional help.

Go to <http://bcs.whfreeman.com/phelan2e/>

This is the companion book site where you will find extra study resources and animations to help you learn the material. Note that you can purchase the eText and Prep-U access directly from this site if you have not already done so.

- To enroll in our course, log into PrepU and click on “Join a Class”.
- Our class code is **hanson32190**
- After you enter the class code, you will be enrolled. The assignments are set up for you. PrepU chapter questions are personalized to help you where you need it. Complete as many questions as necessary to “master” the material to level 4.

Computer requirements:

This is an online course that will be offered through Canvas. You will need access to a high speed computer and to the internet. To view all the visuals, make sure to enable downloads from this site. Use **Mozilla Firefox** or **Chrome** to gain internet access.

Course tips and Expectations

Online participation and time commitment:

Class time is calculated to reflect 3 activity hours for each credit earned in a given week. For this course, this equates to 9 hours per week for the average student. Please plan accordingly and do a little each day. Students are expected to log onto Canvas at LEAST every other day (3X/week) to check emails and to complete assessments. Please contact me if you have a conflict due to a university related function (Policy 5-23).

Proctored exams (Dixie testing center):

This is an online course which requires verification of your identity through the use of proctored assessments. In this course, there are two exams that meet the criteria. The student will receive an F in the course if these proctored assessments are not completed or are not compatible with coursework submitted throughout the semester. Proctored exams must be arranged at least one week in advance of the test!

Canvas or Computer problems:

Contact the Helpdesk at (435) 879-HELP(4357) or helpdesk@dixie.edu. The Helpdesk can assist you with any of your campus access issues. www.dixie.edu/helpdesk

Late Assessment Policies:

The deadlines are designed to keep you on track and to assess your performance throughout the semester. Please contact me if you have an emergency.

- **Discussions, Prep-U** assignments and **exams** can only be completed during the assigned times! No late work will be accepted.
- **Chapter Tests** are due by 11:59 pm on the given due date.
 - **NO extension** will be granted. After the quiz due date, you will no longer have access to complete the assessment.
- **Exams** must be taken by the due date at the DSU testing center or equivalent. If you are out of the area, it is up to you to find an alternative testing center and contact me with this information at least one week in advance of the test.
- **No extra credit.** **Chapter 16** can be completed to replace a low or missing chapter assessment.

Grading Policies:

Grades will be calculated by points earned. Exams will be proctored by the Dixie testing center so you will need to make arrangements to be on campus to take them. You can check your grade on Canvas throughout the semester.

There are additional activities and study aids on the textbook website. Remember that your time and efforts will determine what you learn as well as your grade in the course. For full points, always “think before you write” and adhere to the discussion netiquette guidelines. Communicate using correct grammar and spelling.

PrepU is an assessment system that is individualized to meet your particular study needs. You will receive 10 points per 25 questions or per mastery level (whichever comes first) up to a total of 40 points per chapter.

Chapter Quizzes on Canvas	30%
Prep-U assignments	30%
Discussions on Canvas	10%
2 Exams at DSU testing center	<u>30%</u>
Total points	100%

Grading Scale	87-89 B+	77-79 C+	67-69 D+	
93-100 A	83-86 B	73-76 C	63-66 D	<60 F
90-92 A-	80-82 B-	70-72 C-	60-62 D-	

Need some help? Please let me know of any questions you have concerning content, assessment problems or the class in general. I will be posting weekly announcements or e-mail reminders to give you extra tips about that chapter. Don't hesitate to contact me at any time. I am here to help!

PLEASE STAY CURRENT! NO LATE WORK WILL BE ACCEPTED!

Due Date	Discussions	Topics	Chapters
Jan 12	---	Semester begins; Print syllabus	---
Jan 19	---	Chemistry	2
Jan 26	---	Cells	3
Feb 2	---	Energy	4
Feb 9	---	DNA, Gene Expression and Biotechnology	5
Feb 16	---	Chromosomes and Cell Division	6
Feb 23	D1 post	Mendelian Inheritance	7
March 2	D1 reply	Evolution and Natural Selection	8
March 6 (Fri)	---	MIDTERM EXAM	CH 2-8
March 9-13	---	Spring Break	---
March 23	---	Origin and Diversification of Life on Earth	10
March 30	---	Animal Diversification	11
April 6	---	Plant and Fungi Diversification	12
April 13	---	Evolution and Diversity among Microbes	13
April 20	D2 post	Population Ecology	14
April 27	D2 reply	Ecosystems and Communities	15
April 27	---	Conservation and Biodiversity (make-up)	16
May 1 (Fri)	---	FINAL EXAM	CH 10-15

IMPORTANT DATES:

The semester calendar with important dates to remember can be found at <http://dixie.edu/reg/?page=calendar>.

Jan 12	Semester begins
Jan 19	Martin Luther King Jr. Day
Feb 2	Last day to drop without a "W" grade
Feb 16	President's Day
March 6	Last day to drop individual classes
March 9-13	Spring break
April 29	Classwork ends
April 30	Reading day
May 1, 4-7	Final exams
May 8	Commencement

University and Course Policies

DROPS/ AUDITS/ INCOMPLETES:

Drop slips will be signed without contention in compliance with university deadlines. Due to the online format of this course, no audits will be given. Incompletes will only be granted in rare, severe circumstances and require a signed contract. At least 75% completion and a current passing grade are mandatory.

DISABILITY STATEMENT:

If you suspect that you have a disability that may affect your success in the course, you are strongly encouraged to contact the Disability Resource Center (DRC) located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone: (435)652-7516.

RESOURCE LINKS:

Library – www.library.dixie.edu

Computer lab – www.dixie.edu/helpdesk/lab_hours.php

Testing Center – www.dixie.edu/testing Location: North Plaza (435)879-4692

Tutoring Center – www.dixie.edu/tutoring

Writing Center – www.dixie.edu/english/DSU_writing_center.php

ACADEMIC INTEGRITY

Students are expected to perform their academic work with high standards of personal integrity. Academic dishonesty in any form will not be tolerated, including but not limited to: plagiarism, submitting another person's work as one's own, and cheating on exams or quizzes. Always follow the course rules and all guidelines in the Student Rights and Responsibilities Code, Policy 5-33, available in the university catalog or at <http://www.dixie.edu/humanres/policy/sec5/533.html>.

DMAIL STATEMENT:

You are required to frequently check your Dmail account. Important class and university information will be sent to your Dmail account, including DSU bills, financial aid/ scholarship notices, notices of cancelled classes, reminders of important dates and deadlines, and other information critical to your success at DSU and in your courses. If you don't know how to access your Dmail account, go to www.dixie.edu and select Dmail from the left column. To locate your Dmail username and password, go to www.dixie.edu, and click on "log in to student services" (upper right corner).

Prep-U access

Step 1:

- Go to <http://bcs.whfreeman.com/phelan2e/>
- This is the companion book site where you will find extra study resources and animations to help you learn the material. Note that you can purchase the eText and Prep-U access directly from this site if you have not already done so.

The screenshot shows a web browser window displaying the W.H. Freeman's Book Companion Site for 'What Is Life? A Guide to Biology' by Jay Phelan, Second Edition. The page features a navigation bar with links for 'Home', 'Prep-U', 'eBook', 'Scorecard', and 'Instructor Resources'. Below the navigation bar, there is a 'Welcome to your Book Companion Site' section. On the left, there are two columns of resources: 'Browse by Chapter' and 'Browse by Category'. The 'Browse by Chapter' column lists chapters 1 through 5, each with a plus sign icon. The 'Browse by Category' column lists various resources like 'Check Your Knowledge Quizzes', 'Check Your Understanding Quizzes', 'Connecting Biology to Life Applications', 'Exploring Biology - Case Studies for What Is Life?', 'Key Terms', 'Labeling Figures', 'Lecture Companion Art', and 'Animations'. On the right side, there is a 'Unlock Premium Resources' section. This section contains a 'DO YOU HAVE an access card?' box with a red circle around it, a link 'What is an access card?', and two boxes for 'Prep-U' and 'eBook'. Each of these boxes has 'LEARN MORE' and 'ADD TO CART' buttons.

- If you purchased a textbook that has an access card, then register for the course by clicking on the access card link.
- If you do not have an access card then you will need to purchase Prep-U. Under the Prep-U box, click on “add to cart”.

Step 2: Purchase PrepU

- Choose the 180 day access for \$9.95 and purchase it.

Shopping Cart

Available premium resources		Your cart
Prep-U	1 year access \$17.00 ADD TO CART >	
	180 day access \$9.95 ADD TO CART >	
eBook	180 day access \$51.99 ADD TO CART >	

CHECK OUT NOW CANCEL

Step 3: Log in after purchase

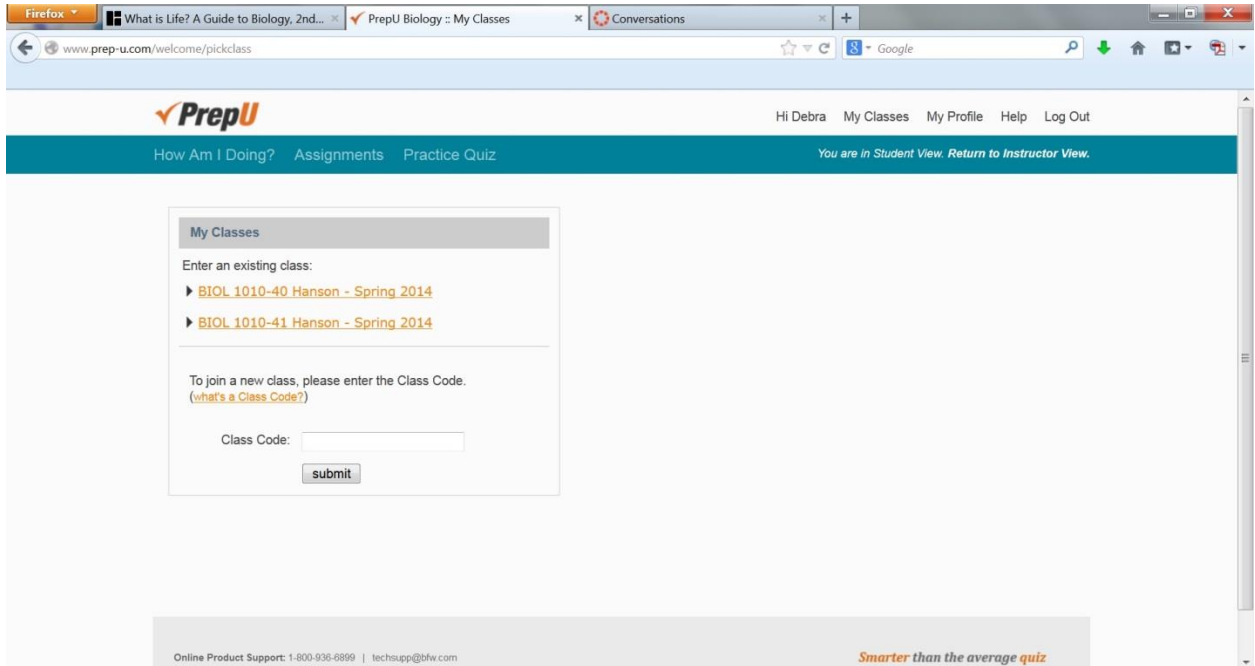
- Go back to the original website <http://bcs.whfreeman.com/phelan2e/>
- Click on the blue Prep-U tab to pull up the PrepU page shown below.
- Log into PrepU.

The screenshot shows a web browser window with the URL bcs.whfreeman.com/phelan2e/default.asp#t_754834. The page features a banner for "What Is Life? A Guide to Biology, 2nd Edition" by Jay Phelan. Below the banner is a navigation menu with tabs for Home, Prep-U, eBook, Scorecard, and Instructor Resources. The Prep-U tab is selected, displaying the Prep-U logo and a description: "Prep-U is a new online assessment system that efficiently helps students master core topics in introductory biology while providing instructors with powerful teaching tools. It is the ideal solution for the busy biology student and instructor—proven in efficacy studies to significantly improve student test scores." Below the description, there is a link "For a demonstration, visit [here](#)." and three buttons: "LOG IN", "DO YOU HAVE AN ACCESS CARD?", and "PURCHASE ACCESS". The "LOG IN" button is circled in red.

W. H. Freeman | [Contact Us](#) | [Need Help?](#) | [Privacy Policy](#) | [Terms Of Use](#)

Step 4: Join our class

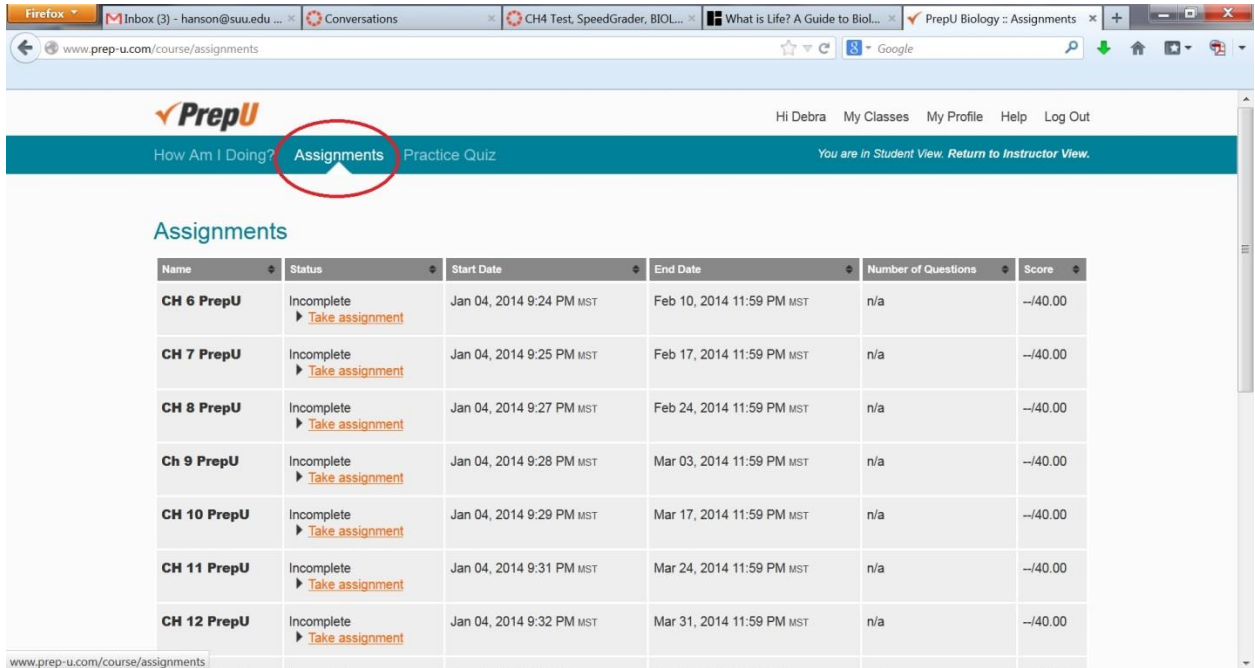
- Click on “Join a Class”.
- Our class is BIOL 1010-43, 44 and the code is **hanson32190**
- After you enter the class code, you will be enrolled.
- When you log in after registering, simply enter our existing class directly.



The screenshot shows a web browser window with the PrepU website. The browser tabs include 'What is Life? A Guide to Biology, 2nd...', 'PrepU Biology :: My Classes', and 'Conversations'. The address bar shows 'www.prep-u.com/welcome/pickclass'. The website header features the PrepU logo, user information 'Hi Debra', and navigation links 'My Classes', 'My Profile', 'Help', and 'Log Out'. A teal navigation bar contains 'How Am I Doing?', 'Assignments', and 'Practice Quiz', along with the text 'You are in Student View. Return to Instructor View.' The main content area is titled 'My Classes' and contains the following text: 'Enter an existing class:' followed by two links: '▶ BIOL 1010-40 Hanson - Spring 2014' and '▶ BIOL 1010-41 Hanson - Spring 2014'. Below this, it says 'To join a new class, please enter the Class Code. (what's a Class Code?)' and provides a 'Class Code:' input field with a 'submit' button. The footer includes 'Online Product Support: 1-800-936-6899 | techsupp@bfw.com' and the slogan 'Smarter than the average quiz'.

Step 5: Chapter assignments

- From the PrepU home page, click on assignments. The assignments are set up for you.
- Choose a chapter and click “take assignment”.
- PrepU chapter questions are personalized to help you where you need it. Complete as many questions as necessary to “master” the material to level 4. You can also get 10 points for every 25 questions you do (whichever comes first).



The screenshot shows the PrepU website interface. The navigation bar includes links for 'How Am I Doing?', 'Assignments', and 'Practice Quiz'. The 'Assignments' link is circled in red. Below the navigation bar, the page title is 'Assignments'. A table lists assignments for chapters 6 through 12, all marked as 'Incomplete' with a 'Take assignment' link.

Name	Status	Start Date	End Date	Number of Questions	Score
CH 6 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:24 PM MST	Feb 10, 2014 11:59 PM MST	n/a	--/40.00
CH 7 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:25 PM MST	Feb 17, 2014 11:59 PM MST	n/a	--/40.00
CH 8 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:27 PM MST	Feb 24, 2014 11:59 PM MST	n/a	--/40.00
Ch 9 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:28 PM MST	Mar 03, 2014 11:59 PM MST	n/a	--/40.00
CH 10 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:29 PM MST	Mar 17, 2014 11:59 PM MST	n/a	--/40.00
CH 11 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:31 PM MST	Mar 24, 2014 11:59 PM MST	n/a	--/40.00
CH 12 PrepU	Incomplete ▶ Take assignment	Jan 04, 2014 9:32 PM MST	Mar 31, 2014 11:59 PM MST	n/a	--/40.00