

Course Outline for Bio 1050 (Intro to Life)

Welcome

Welcome to Biology 1050 Intro to Life (TBA), an online course that presents a factual and conceptual treatment of modern biology at the cellular, organismal, and ecosystem levels of organization. My name is Dr. Martin Crozier. I am a full-time lecturer here at Wayne State University, and I will be your instructor.

This course outline (syllabus) contains all of the information you require to complete this course, as well as:

- Pertinent administrative information, such as instructor contact information and materials required,
- Information specific to the material covered in the course, including course introduction, course delivery, course schedule, grading, exam information, learning outcomes
- All other information, such as study tips, academic integrity, information about the instructor, etc.

If you have any questions about any of the information herein, please contact me.

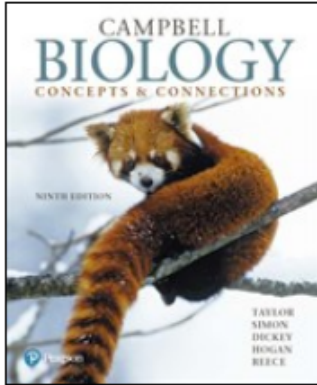
Because Bio 1050 (CRN 16614) is an online course, and many out-of-state students are restricted to **online** contact with me, I **cannot** hold in-person office hours. I will, however, hold 'virtual' office hours each week at a specified time (see below). During that time you can know that I am online responding to emails and monitoring the 'Chat' room (on the Canvas course site) comments and questions. I will probably check the Chat room 5 days a week, but you can be sure I'll be responding to emails during my virtual office hours (posted below).

Contact Information for Martin Crozier	
Day: Mon, Wed (during these hours I will catch up on all email correspondence as well as monitor the ' Chat ' room on Canvas)	Times: 1:00-2:00 pm <u>Note:</u> If you email me after 2PM, you may not get a response until the following office hours. I recommend that if you have any questions throughout the week that you send them immediately so that I can respond to them during the next 'virtual' office hour, or you're your question to the chat room on Canvas .
Location: Canvas course website: Log on at: https://canvas.wayne.edu/ Fall 2019 Intro to Life Sec TBA should appear in your dashboard	Phone: (313) 577-3524 (I will answer if I am in the office; please leave a voicemail if I don't answer).
	Email: am0246@wayne.edu

What You Need (Prices subject to change in 2020)

1. Required masteringbiology.com account and Textbook:

Option 1:



Campbell Biology: Concepts & Connections Plus MasteringBiology with Pearson eText -- Access Card Package, 9th Edition

By Martha R. Taylor, Eric J. Simon, Jean L. Dickey, Kelly A. Hoan, Jane B. Reece

Go to mypearsonstore.com and purchase access to masteringbiology.com AND the eText as a package.

Mastering Biology with Pearson eText -- Instant Access -- for Campbell Biology: Concepts & Connections, 9th Edition

Buy Access

\$94.99 | ISBN-13: 978-0-13-472771-4

Option 2:

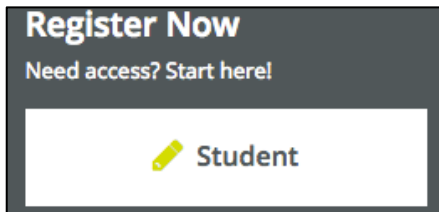
If you already have a hard copy of the textbook and do not wish to purchase the electronic copy (eText), then choose the option of masteringbiology.com access only (“without Pearson eText”):

Mastering Biology without Pearson eText -- Instant Access - - for Campbell Biology: Concepts & Connections, 9th Edition

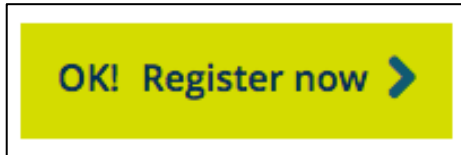
Buy Access

\$64.99 | ISBN-13: 978-0-13-444276-1

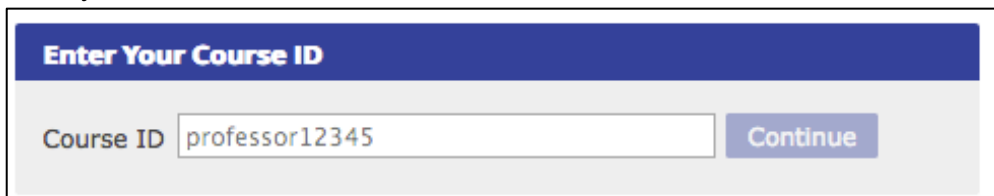
When you select 'Buy Access' you will be taken to masteringbiology.com and asked to 'Register' as a Student; click on the 'Student' tab:



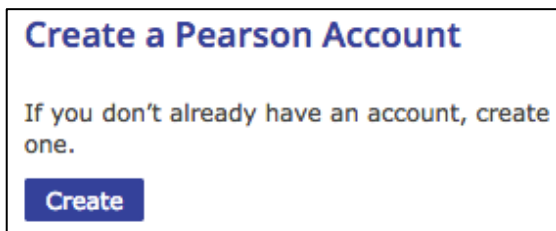
Select "OK! Register now":



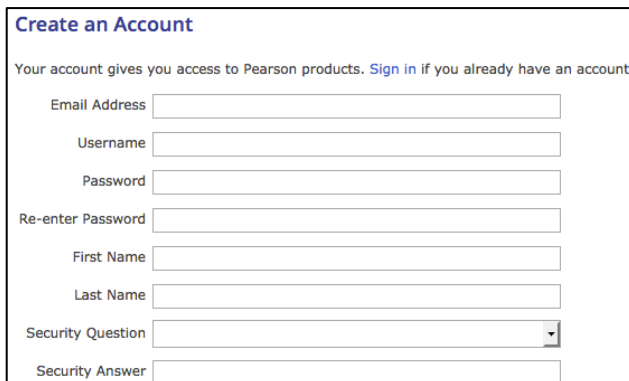
Enter your Course ID which is: **TBA**

A form with a blue header bar that says "Enter Your Course ID". Below the header is a text input field labeled "Course ID" containing the text "professor12345". To the right of the input field is a blue button labeled "Continue".

Create a Pearson Account:



Once you fill out the account info (see below) it will instruct you to enter your Student ID. You must use your '**ACCESS ID**' (e.g., am0246) **not** your '**BANNER ID**' (e.g., 0004394587)

A form titled "Create an Account". It includes a link "Sign in if you already have an account." and several input fields: "Email Address", "Username", "Password", "Re-enter Password", "First Name", "Last Name", "Security Question" (a dropdown menu), and "Security Answer".

Finally you can enter your payment information

2. Hardware and software

- i. **access to a computer** – Lecture notes will be posted as **PPT**. The syllabus will be posted as a Word document (**.docx**) and as a **PDF**. You may have to open **Excel** files. I may also periodically post videos/movies (mp4). Most of these software services can be downloaded for free from the internet.
- ii. **access to the Internet** – As this is an online course, having consistent access to a reliable internet connection is essential. There will be quizzes during the course that will require you to be online without interruption (i.e., loss of connectivity) for the duration of the exercise. Also, the **Chat room** in Canvas may become an invaluable tool to use during the course.
- iii. an active Wayne State University **e-mail account**.

Course Delivery

1. **You require a textbook.** You must have a textbook (either hard copy or eText).
 - We are using the 9th edition of the textbook. That being said, the 8th edition has been used for this course for more than 2 years now and so many second-hand copies should be available. You may use the 8th edition or other textbooks, but I assume that you all have the 9th edition. Therefore, all powerpoint slides, the reading schedule, the study guides, and test questions are based on the 9th edition. If you purchase masteringbiology.com without the eText and choose to use the hard copy of an older textbook, then it is your responsibility to make sure you are studying the correct chapters.
2. You must have masteringbiology.com access. I will set up homework assignments and quizzes, etc. through masteringbiology.com. Most of your grades will be earned through masteringbiology.com.
3. Your course consists of 11 chapters (see the third column in **Readings** on page 5 of this syllabus), at the rate of approximately 1 chapter/week. These lessons are broken into 3 'Units'. For each Unit, I will post lecture files (Power Point (PPT) files) under the **Modules** link on Canvas.

You do not have to download the powerpoint files or use them at all. The only reason I post them is so you can see what I would use during an in-class version of the course. Nevertheless, the lecture PPT files do provide several benefits. For example, they:

 - Present a bullet point outline of each of the chapters in that given unit
 - Contain most of the important images from the 9th edition of the textbook (this is especially helpful to students using an older edition of the textbook)
 - Outline what you should know (main objectives) and therefore what would be fair game to ask on an quiz/assignment
 - Identify key terms/concepts (typically highlighted within the PPT)
 - Provide an outline for studying that can be personalized during study; students can add their own notes, etc., using the PPT as a study tool (Students will NOT be required to submit these nor will they receive any grades for these)
4. Your grade will be composed of the marks for your **online quizzes** (11), **assignments** (3) and a **Final Exam** (1). The quiz, assignment, and Exam due dates are provided in the Course Schedule below (you might want to print it off and keep it handy—p.5).
5. The **quizzes** will be primarily multiple-choice questions.
6. The **assignment** formats may vary, but will consist of short answer, fill-in-the-blank, mix-and-match, etc.
7. The final exam will be cumulative and is worth 40% of your grade
8. The **chat room** is available at all times. I will monitor it **during my 'virtual' office hours'** (see p.1 for day and time).

Course Schedule

Unit	Topics	Readings	Assignment/Quiz Due Dates
UNIT 1 Cellular Level	Biology: Exploring Life	Chapter 1	Quiz 1: TBA
	The Chemical Basis of Life	Chapter 2	Quiz 2: TBA
	The Molecules of Cells	Chapter 3	Quiz 3: TBA
	A Tour of the Cell	Chapter 4	Quiz 4: TBA
	Assignment I: TBA		
UNIT 2 Organismal Level	Animal Structure and Function	Chapter 20	Quiz 5: TBA
	Nutrition and Digestion	Chapter 21	Quiz 6: TBA
	Circulation	Chapter 23	Quiz 7: TBA
	Endocrine	Chapter 26	Quiz 8: TBA
	Assignment II: TBA		
UNIT 3 Ecosystem Level	The Biosphere: Earth's Diverse Environments	Chapter 34	Quiz 9: TBA
	Population Ecology	Chapter 36	Quiz 10: TBA
	Communities and Ecosystems	Chapter 37	Quiz 11: TBA
	Assignment III TBA Final Exam: TBA		

Grades and Grading

a) Quizzes:	
a. Quiz 1-11 (3.0% each)	33%
b) Assignments	
a. Assignment 1-3 (10% each)	30%
c) Exam	
a. <u>Final Exam (40%)</u>	<u>40%</u>
Total	103%

Grading Scale

There is no extra credit under any circumstances

Final scores for the entire course will be normalized*

Your final course grade will be decided as follows:

Percentage	Grade	Percentage	Grade	Percentage	Grade
93-100	A	80-82.99	B-	66-69.99	D+
90-92.99	A-	76-79.99	C+	63-65.99	D
86-89.99	B+	73-75.99	C	60-62.99	D-
83-85.99	B	70-72.99	C-	<59.99	F

Strategies for Study

Distance education courses place greater emphasis on the motivation and perseverance of the student than any other kind of course. To be successful, you must be up to the task. Here are some suggestions, which may help.

1. Try to set aside the same time each day to work on your course. This will help you establish a routine, which is important to motivation. **Do not** be fooled by the small number of chapters in this course (~1 chp/week). Scientific language will be novel to many of you. You may find it difficult to read more than 5 pages at a time. I recommend dividing the chapters into bite-size pieces and reading a little bit each day. Do not leave reading until the last minute. Reading 30 pages on the day a quiz is due will not be feasible.
2. Make notes of any difficulties you encounter during your reading or assignments. Try to solve them by yourself, but if you can't, contact your classmates through the [Chat room](#) link on the course web site. Explain your difficulty in as much detail as possible then check back for responses. Usually, you'll find your classmates will provide the fastest assistance. I try to respond to all emails and postings during office hours, or ASAP, but my schedule may delay my response. Post your questions as early in the week as possible to maximize the likelihood that others will respond. Be patient. Sometimes it may take a couple of days for anyone to reply. I will check the chat room board almost every day, but certainly during my office hours (see p. 1).

3. Take advantage of your classmate's help. Post questions to the chat room frequently and contribute to the course by responding to your classmate's questions when you feel capable of doing so.

Course Developer & Instructor



My name is Dr. Martin Crozier and I am the instructor for Bio 1050 (CRN16614; Intro to Life). I have enjoyed teaching and in-class version of this course numerous times over the past 15 years here at WSU.

I received my B.Sc. in Biology from the University of Prince Edward Island; my M.Sc. from Wayne State University (Detroit) in Molecular Biotechnology; and my M.A in Philosophy from the University of Windsor. I also received my PhD in Molecular Biology, doing breast cancer research at the University of Windsor. I've been teaching for the Biology department at Wayne State University for the past fifteen years as well as at various community colleges in Michigan during that time. I also have been teaching for the biology department at the University of Windsor for the past eleven years.

My aim is to make this an interesting course for you; however, due to the limitation of an online course I will have to rely on your initiative to contact me when you require assistance. I hope you enjoy the course.

Academic misconduct

Academic misconduct is any activity that tends to compromise the academic integrity of the institution or undermine the education process. Examples of academic misconduct include:

Plagiarism: To take and use another's words or ideas as your own without appropriate referencing or citation.

Cheating: Intentionally using or attempting to use or intentionally providing unauthorized materials, information or assistance in any academic exercise. This includes copying from another student's test paper, allowing another student to copy from your test, using unauthorized material during an exam and submitting a term paper for a current class that has been submitted in a past class without appropriate permission.

Fabrication: Intentional or unauthorized falsification or invention of any information or citation, such as knowingly attributing citations to the wrong source or listing a fake reference in the paper or bibliography.

Other: Selling, buying or stealing all or part of a test or term paper, unauthorized use of resources, enlisting in the assistance of a substitute when taking exams, destroying another's work, threatening or exploiting students or instructors, or any other violation of course rules as contained in the course syllabus or other written information.

Such activity may result in failure of a specific assignment, an entire course, or, if flagrant, dismissal from Wayne State University.

The instructor of record may report the alleged violation of the Student Code of Conduct using the referral form at the following link: [Academic Misconduct Referral](#).

The referral should be submitted as soon as possible after the event takes place or when it is reasonably discovered.

For a description of all student conduct policies and additional information about the conduct process, please refer to the [Student Code of Conduct](#).

[Report Misconduct](#)
[Academic Misconduct Flowchart \(PDF\)](#)

Important Dates:

<https://wayne.edu/registrar/registration/calendar19-20>

What to Do Next

Keep this syllabus close at hand in an easy-to-find location. I recommend reading and re-reading it several times early on. **I cannot exaggerate how many times students email me concerning questions outlined in the syllabus (especially pp. 3-7).** Second, a very important thing you can do now is to take some time and become acquainted with the course web site on **Canvas**. Doing this now will save you the frustration of searching for required material later. The information you need to succeed in this course is included in this site. If you require any assistance, please contact me, the instructor (see [Office Hours and Contact Information](#) above). As you work, remember to keep in mind the timeframe outlined in the Course Schedule (see p.5), which is perhaps the most important page of the above syllabus.

Course developer: Martin Crozier Biological Sciences

Acknowledgements

Every effort has been taken to ensure that these materials comply with the requirements of copyright clearances and appropriate credits.