

# Course Syllabus

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Department of Biology

BIO104/ Biotechnology and Society

4 units

**Fall 2020**

**Instructor:** Dr. Kristopher J. Koudelka

**Contact Info:** Please send messages via your Canvas Inbox

[Link to How-To Guide: Send a Message to My Instructor](https://community.canvaslms.com/docs/DOC-2670) [\\_\(https://community.canvaslms.com/docs/DOC-2670\)](https://community.canvaslms.com/docs/DOC-2670)

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## PLNU Mission

### To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

## COURSE DESCRIPTION

An examination of current topics in biotechnology as they impact society, bioethics, and sustainable living. This course addresses the questions "What is biotechnology?", "How does it work?", and "How does it affect our lives?." Topics may include genetic engineering, gene amplification, human genome projects, gene therapy, DNA fingerprinting, cloning, assisted reproductive technology, genetic screening, recombinant DNA, and GM foods. Course approach emphasizes the process of science, critical thinking, active learning, and social relevancy.

## COURSE LEARNING OUTCOMES

1. Students will be able to effectively express ideas and information to others through written communication.
2. Students will be able to access and cite information as well as evaluate the logic, validity, and relevance of information from a variety of sources.
3. Students will be able to examine critique and synthesize information in order to arrive at reasoned conclusions.

4. Students will be able to solve problems that are quantitative in nature.
5. Students will be able to express the function of DNA in the cell and how it is regulated, processes and synthesized.
6. Students will be able to explain the various methods utilized in biotechnology as a means to better understand how science work, as well as how those methods can be applied to better the health of individuals and sustain our environment.

## CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 4-unit class delivered over 5 weeks (a minimum of 30 hours per week).

Activities & Assignments	Hours
Readings	40
Online Discussions/Responses/Assignments	30
Peer Teaching Assignment	10
Quizzes, Surveys, and Exams	10
Video Lectures/Animations	25
Exam Preparation	20
Current Events	5
Mastering Biology Homework Assignments	10
<b>Total Hours</b>	<b>150</b>

## REQUIRED TEXT AND MATERIALS

Belk, C. & Maier, V. (2016). *Biology: Science for Life with Physiology*. 6th edition. Upper Saddle River, NJ: Pearson.

Plus Modified MasteringBiology with eText -- Access Card Package, Sixth Edition

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## ASSESSMENT AND GRADING

Your grades will be posted in the Canvas gradebook no later than midnight on Tuesday of each week beginning in Week Two of this course. It is important to read the comments posted in the gradebook as

these comments are intended to help you improve your work. Final grades will be posted within one week of the end of the class. Grades will be based on the following:

A	>93%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%
B	83-86%	D	63-66%
B-	80-82%	D-	60-62%
C+	77-79%	F	59%

**Exams (370 pts)** – will be cumulative. You can expect 100 points to be based upon the new material, and the remainder of the points to be based upon previous material. Exam 1 is worth 100 pts, Exam 2 is worth 120 pts and Exam 3 is worth 150 pts.

**Homework (100 pts)** – is due throughout the course and can be found on the MyLab and Mastering Tab in Canvas. Reminders of due dates can be found in the modules as well as the calendar on Canvas.

**Online Response Exercises (280 pts)** – These assignments are interspersed throughout every module. They include discussion boards, life application assignments to Scripture and authors/poets who explore one's faith, small group exercises, short assignments, etc. All response exercises can be found in each module along with the due dates.

**Current Events (50pts)** – These are one-page write ups worth 10 points. You can find any article from a reputable newspaper or magazine (Wall Street Journal, NY Times, LA Times, Scientific American, JAMA, etc.) which addresses an issue in biotechnology. The questions you should address in your write up are posted on Canvas. These submissions are to be done on Canvas.

**Peer Teaching Assignment (100 pts)** -- You will examine a specialized topic in biotechnology in Module 7 which will be shared with your colleagues. Your own learning and their learning will be assessed in a quiz taken at the conclusion of your discussion. Thorough instructions can be found in Module 7. Topics will include GM Foods, Biofuels, Cloning Endangered Species/Extinct Species.

**Quizzes/Surveys (100 pts)** – You will have an opportunity to answer a few multiple choice questions--most often at the conclusion of each module. In addition, there are two course surveys: one in the middle of the course and one at the end of the course.

## ATTENDANCE

Regular and punctual attendance is considered essential for optimum academic achievement. As a student in this course, you will have a minimum online attendance requirement of three days each week. This means you will need to log into Canvas and post an assignment or response on at least three days in each week. Any day missed below this minimum requirement will count as an absence. Students may be dropped from the course if two such absences are recorded during the class.

## **INCOMPLETE AND LATE ASSIGNMENTS**

All assignments are to be submitted by the due dates posted. There will be a 10% reduction of possible points for each day an assignment is late. If missing assignments result in the failure to meet learning outcomes, this instructor may give up to a letter grade reduction on the final grade in addition to the loss of points for missing work. No assignments will be accepted after midnight on Sunday night, the last day of class.

While there are due dates for weekly assignments, you are welcome to post your work earlier in the week. In our discussions, late work means that others may not have the opportunity to respond to your comments. It also means that you will not have the benefit of as much interaction with other students as you will have if your assignment is posted on time. If you know you will be away on the day your assignment is due, please post your work before you leave.

Assignments will be considered late if posted after midnight Pacific Standard Time on the day they are due.

## **ACADEMIC HONESTY**

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. As explained in the university catalog, academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the result of another person's creativity and effort. Violations of university academic honesty include cheating, plagiarism, falsification, aiding the academic dishonesty of others, or malicious misuse of university resources. An instructor who believes a situation involving academic dishonesty has been detected may assign a failing grade for a) that particular assignment or examination, and/or b) the course following the procedure in the university catalog. Students may appeal using the procedure in the university catalog. See [Academic Policies](http://catalog.pointloma.edu/content.php?catoid=8&navoid=864) (<http://catalog.pointloma.edu/content.php?catoid=8&navoid=864>) for further information.

## **ACADEMIC ACCOMMODATIONS**

While all students are expected to meet the minimum academic standards for completion of this course as established by the instructor, students with disabilities may request academic accommodations. At PLNU, students must request academic accommodations by filing documentation with the [Disability Resource Center](http://www.pointloma.edu/experience/offices/administrative-offices/academic-advising-office/disability-resource-center) (<http://www.pointloma.edu/experience/offices/administrative-offices/academic-advising-office/disability-resource-center>) (DRC) located in the Bond Academic Center. Once the student files documentation, the Disability Resource Center will contact the student's instructors and provide written recommendations for reasonable and appropriate accommodations to meet the individual needs of the student.

## **SPIRITUAL CARE**

PLNU strives to be a place where you grow as a whole person. To this end, we provide resources for our students to encounter God and grow in their Christian faith. You'll find faith integration activities

throughout this course. In addition, there are resources for your Christian faith journey available on the [Spiritual Development](http://www.pointloma.edu/experience/faith) (<http://www.pointloma.edu/experience/faith>) web page.

## FERPA POLICY

In compliance with federal law, neither PLNU student ID nor social security number should be used in publicly posted grades or returned sets of assignments without student written permission. This course will meet the federal requirements by posting grades and returning assignments via the Canvas gradebook. Also in compliance with FERPA, you will be the only person given information about your progress in this class unless you have designated others to receive it in the "Information Release" section of the student portal.

## USE OF TECHNOLOGY

In order to be successful in the online environment, you'll need to meet the minimum technology and system requirements; please refer to the [Technology and System Requirements](#) information.

Problems with technology do not relieve you of the responsibility of participating, turning in your assignments, or completing your class work.

## HONOR LOCK

Your exams will be proctored by Honorlock. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. Honorlock is available 24/7 all you need is a computer, webcam, and a stable internet connection. You DO NOT need to create an account, download software or schedule a proctoring appointment.

Honorlock is very simple! All you will need to do is log into Canvas and click on the quiz you need to take. You will be prompted to add the Honorlock Chrome Extension, which is required to take your exam. You are required to use Google Chrome as your browser. Then you will need to take a picture, show your ID, and scan your room. Honorlock will be recording you VIA webcam and they will be recording your screen. They also have an integrity algorithm that can detect search-engine use, so do not attempt to cheat or look up answers, even if its a secondary device.

When you are ready to take your exam, log into Canvas, go to your Course, and click on your exam. When you click on "Take your Exam," you will start the authentication process before you begin your exam.

If you see a page asking for an access code, it means that you did not install the Honorlock Chrome Extension or you are not in Google Chrome.

If you encounter issues with Honorlock, you may contact them at (855) 828-4004, chat and/or email at [support@honorlock.com](mailto:support@honorlock.com) (<mailto:support@honorlock.com>).

## Course Summary:

Date	Details	
Mon May 6, 2019	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537100">Some helpful links for the peer teaching assignment.</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537100">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/537100">https://canvas.pointloma.edu/courses/54002/assignments/537100</a>)</a>	due by 11:59pm
Mon May 13, 2019	 <a href="https://canvas.pointloma.edu/calendar?event_id=43754&amp;include_contexts=course_54002">Office Hour</a> <a href="https://canvas.pointloma.edu/calendar?event_id=43754&amp;include_contexts=course_54002">(<a href="https://canvas.pointloma.edu/calendar?event_id=43754&amp;include_contexts=course_54002">https://canvas.pointloma.edu/calendar?event_id=43754&amp;include_contexts=course_54002</a>)</a>	8pm to 9pm
Tue May 21, 2019	 <a href="https://canvas.pointloma.edu/calendar?event_id=43756&amp;include_contexts=course_54002">Office Hour</a> <a href="https://canvas.pointloma.edu/calendar?event_id=43756&amp;include_contexts=course_54002">(<a href="https://canvas.pointloma.edu/calendar?event_id=43756&amp;include_contexts=course_54002">https://canvas.pointloma.edu/calendar?event_id=43756&amp;include_contexts=course_54002</a>)</a>	8pm to 10pm
Mon Jun 3, 2019	 <a href="https://canvas.pointloma.edu/calendar?event_id=43757&amp;include_contexts=course_54002">Deliver Peer Teaching Content to Group</a> <a href="https://canvas.pointloma.edu/calendar?event_id=43757&amp;include_contexts=course_54002">(<a href="https://canvas.pointloma.edu/calendar?event_id=43757&amp;include_contexts=course_54002">https://canvas.pointloma.edu/calendar?event_id=43757&amp;include_contexts=course_54002</a>)</a>	12am
Thu Jun 6, 2019	 <a href="https://canvas.pointloma.edu/calendar?event_id=43755&amp;include_contexts=course_54002">Office Hour</a> <a href="https://canvas.pointloma.edu/calendar?event_id=43755&amp;include_contexts=course_54002">(<a href="https://canvas.pointloma.edu/calendar?event_id=43755&amp;include_contexts=course_54002">https://canvas.pointloma.edu/calendar?event_id=43755&amp;include_contexts=course_54002</a>)</a>	9pm to 10pm
Mon Aug 17, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537049">Discussion: Introduce Yourself</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537049">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/537049">https://canvas.pointloma.edu/courses/54002/assignments/537049</a>)</a>	due by 11:59pm
Tue Aug 18, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548863">Introduction to MasteringBiology for Non-Majors</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548863">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/548863">https://canvas.pointloma.edu/courses/54002/assignments/548863</a>)</a>	due by 11:59pm
Tue Aug 18, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537052">Life Application: T.S. Eliot (Four Quartets)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537052">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/537052">https://canvas.pointloma.edu/courses/54002/assignments/537052</a>)</a>	due by 11:59pm
Tue Aug 18, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537078">Choose your Topic for the Peer Teaching Assignment</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537078">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/537078">https://canvas.pointloma.edu/courses/54002/assignments/537078</a>)</a>	due by 11:59pm
Wed Aug 19, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537065">Assignment: History of Biotechnology Articles &amp; Worksheet</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537065">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/537065">https://canvas.pointloma.edu/courses/54002/assignments/537065</a>)</a>	due by 11:59pm
Thu Aug 20, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537033">Quiz: History of Biotechnology</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537033">(<a href="https://canvas.pointloma.edu/courses/54002/assignments/537033">https://canvas.pointloma.edu/courses/54002/assignments/537033</a>)</a>	due by 11:59pm

Date	Details	due by 11:59pm
Mon Aug 24, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537050">Discussion: The Art of Observation</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537050">https://canvas.pointloma.edu/courses/54002/assignments/537050</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537095">Life Application: Listen to Your Life (Frederick Buechner)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537095">https://canvas.pointloma.edu/courses/54002/assignments/537095</a>	due by 11:59pm
Tue Aug 25, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548857">Ch 01 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548857">https://canvas.pointloma.edu/courses/54002/assignments/548857</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537038">Quiz: The Process of Science (Ch 1)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537038">https://canvas.pointloma.edu/courses/54002/assignments/537038</a>	due by 11:59pm
Wed Aug 26, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537054">Life Application: Psalm 62:1, 2</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537054">https://canvas.pointloma.edu/courses/54002/assignments/537054</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537059">Assignment: Current Event #1</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537059">https://canvas.pointloma.edu/courses/54002/assignments/537059</a>	due by 11:59pm
Thu Aug 27, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537053">Group Discussion: Designing a Concept Map</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537053">https://canvas.pointloma.edu/courses/54002/assignments/537053</a>	due by 11:59pm
Fri Aug 28, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548859">Ch 02 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548859">https://canvas.pointloma.edu/courses/54002/assignments/548859</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537030">Quiz: Water, Biochemistry, and Cells (Ch 2)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537030">https://canvas.pointloma.edu/courses/54002/assignments/537030</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537079">Extra Credit! Animal Cell vs. Bacterial Cell</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537079">https://canvas.pointloma.edu/courses/54002/assignments/537079</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537088">Extra Credit: Following up to Designing a Concept Map</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537088">https://canvas.pointloma.edu/courses/54002/assignments/537088</a>	due by 11:59pm
Mon Aug 31, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537037">Exam 1</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537037">https://canvas.pointloma.edu/courses/54002/assignments/537037</a>	due by 11:59pm

Date	Details	
Tue Sep 1, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537096">Life Application: Mary Oliver (The Summer Day)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537096">(https://canvas.pointloma.edu/courses/54002/assignments/537096)</a>	due by 11:59pm
Wed Sep 2, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537060">Assignment: Current Event #2</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537060">(https://canvas.pointloma.edu/courses/54002/assignments/537060)</a>	due by 11:59pm
Thu Sep 3, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537058">Assignment: Cell Structure Hierarchy</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537058">(https://canvas.pointloma.edu/courses/54002/assignments/537058)</a>	due by 11:59pm
Fri Sep 4, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537080">Extra Credit - Cell Structure Hierarchy Follow Up</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537080">(https://canvas.pointloma.edu/courses/54002/assignments/537080)</a>	due by 11:59pm
Fri Sep 4, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548858">Ch 06 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548858">(https://canvas.pointloma.edu/courses/54002/assignments/548858)</a>	due by 11:59pm
Tue Sep 8, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537047">Migration and Meiosis Discussion Groups</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537047">(https://canvas.pointloma.edu/courses/54002/assignments/537047)</a>	due by 11:59pm
Tue Sep 8, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548860">Ch 07 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548860">(https://canvas.pointloma.edu/courses/54002/assignments/548860)</a>	due by 11:59pm
Tue Sep 8, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537040">Quiz: DNA Synthesis, Mitosis, and Meiosis (Ch 6)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537040">(https://canvas.pointloma.edu/courses/54002/assignments/537040)</a>	due by 11:59pm
Wed Sep 9, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537061">Assignment: Current Event #3</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537061">(https://canvas.pointloma.edu/courses/54002/assignments/537061)</a>	due by 11:59pm
Wed Sep 9, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537097">Life Application: Phantom Tollbooth</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537097">(https://canvas.pointloma.edu/courses/54002/assignments/537097)</a>	due by 11:59pm
Thu Sep 10, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537051">Group Discussion: Coin Toss Meiosis</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537051">(https://canvas.pointloma.edu/courses/54002/assignments/537051)</a>	due by 11:59pm
Fri Sep 11, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548856">Ch 08 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548856">(https://canvas.pointloma.edu/courses/54002/assignments/548856)</a>	due by 11:59pm

Date	Details	due by 11:59pm
Mon Sep 14, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537064">Assignment: Epigenetics Questions</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537064">https://canvas.pointloma.edu/courses/54002/assignments/537064</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537042">Quiz: Mendelian and Quantitative Genetics (Ch 8)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537042">https://canvas.pointloma.edu/courses/54002/assignments/537042</a>	due by 11:59pm
Mon Sep 14, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537032">Exam 2</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537032">https://canvas.pointloma.edu/courses/54002/assignments/537032</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537035">Mid-Course Survey</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537035">https://canvas.pointloma.edu/courses/54002/assignments/537035</a>	due by 11:59pm
Wed Sep 16, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537062">Assignment: Current Event #4</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537062">https://canvas.pointloma.edu/courses/54002/assignments/537062</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537094">Life Application: C.S. Lewis The Weight of Glory</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537094">https://canvas.pointloma.edu/courses/54002/assignments/537094</a>	due by 11:59pm
Thu Sep 17, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537070">Assignment: VNTR Worksheet</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537070">https://canvas.pointloma.edu/courses/54002/assignments/537070</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537046">Group Discussion: Practicing Mendelian Extensions</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537046">https://canvas.pointloma.edu/courses/54002/assignments/537046</a>	due by 11:59pm
Fri Sep 18, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548862">Ch 09 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548862">https://canvas.pointloma.edu/courses/54002/assignments/548862</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537043">Quiz: Complex Patterns of Inheritance and DNA Fingerprinting (Ch 9)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537043">https://canvas.pointloma.edu/courses/54002/assignments/537043</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537055">Discussion: Your Personal Genetic Analysis</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537055">https://canvas.pointloma.edu/courses/54002/assignments/537055</a>	due by 11:59pm
Mon Sep 21, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537099">Peer Teaching Assignment: Bibliography</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537099">https://canvas.pointloma.edu/courses/54002/assignments/537099</a>	due by 11:59pm

Date	Details	due by 11:59pm
Wed Sep 23, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537063">Assignment: Current Event #5</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537063">https://canvas.pointloma.edu/courses/54002/assignments/537063</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537067">Assignment: Peer Teaching -- Outline</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537067">https://canvas.pointloma.edu/courses/54002/assignments/537067</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537098">Life Application: Wendell Berry's Manifesto (The Mad Farmer Liberation Front)</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537098">https://canvas.pointloma.edu/courses/54002/assignments/537098</a>	due by 11:59pm
Thu Sep 24, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537090">Extra Credit! Ted Talk: Tissue Engineering</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537090">https://canvas.pointloma.edu/courses/54002/assignments/537090</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537048">Group Discussion: What are Stem Cells?</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537048">https://canvas.pointloma.edu/courses/54002/assignments/537048</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537036">Quiz: Stem Cell</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537036">https://canvas.pointloma.edu/courses/54002/assignments/537036</a>	due by 11:59pm
Fri Sep 25, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537057">Assignment: Can We Feed the World and Sustain the Planet?</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537057">https://canvas.pointloma.edu/courses/54002/assignments/537057</a>	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537066">Assignment: Peer Teaching Content</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537066">https://canvas.pointloma.edu/courses/54002/assignments/537066</a>	due by 11:59pm
Sat Sep 26, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537091">Extra Credit! Ted Talk: Why I'm a Weekday Vegetarian</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537091">https://canvas.pointloma.edu/courses/54002/assignments/537091</a>	due by 11:59pm
Mon Sep 28, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537069">Assignment: Personalized Genomics</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/537069">https://canvas.pointloma.edu/courses/54002/assignments/537069</a>	due by 11:59pm
Tue Sep 29, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/548861">CH 10 HW</a> <a href="https://canvas.pointloma.edu/courses/54002/assignments/548861">https://canvas.pointloma.edu/courses/54002/assignments/548861</a>	due by 11:59pm

Date	Details	
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537092">Group Assignment: Peer Teaching Assessment</a> ( <a href="https://canvas.pointloma.edu/courses/54002/assignments/537092">https://canvas.pointloma.edu/courses/54002/assignments/537092</a> )	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537056">Group Discussion: CRISPR to treat Zika Virus</a> ( <a href="https://canvas.pointloma.edu/courses/54002/assignments/537056">https://canvas.pointloma.edu/courses/54002/assignments/537056</a> )	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537031">End-of-Course Evaluation</a> ( <a href="https://canvas.pointloma.edu/courses/54002/assignments/537031">https://canvas.pointloma.edu/courses/54002/assignments/537031</a> )	due by 11:59pm
Wed Sep 30, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537089">Extra Credit! Gene Therapy Ted Talk</a> ( <a href="https://canvas.pointloma.edu/courses/54002/assignments/537089">https://canvas.pointloma.edu/courses/54002/assignments/537089</a> )	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537044">Quiz: Gene Expression, Mutation, and Cloning</a> ( <a href="https://canvas.pointloma.edu/courses/54002/assignments/537044">https://canvas.pointloma.edu/courses/54002/assignments/537044</a> )	due by 11:59pm
Thu Oct 1, 2020	 <a href="https://canvas.pointloma.edu/courses/54002/assignments/537034">Final Exam</a> ( <a href="https://canvas.pointloma.edu/courses/54002/assignments/537034">https://canvas.pointloma.edu/courses/54002/assignments/537034</a> )	due by 11:59pm