

# COURSE SYLLABUS

## BIOBEYOND

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### WELCOME

WELCOME to BioBeyond, you are in for a ride!

### COURSE DESCRIPTION

BioBeyond is designed to push the boundaries of what learning science online can be. Your experience is going to be different from your other in-person courses and online courses.

BioBeyond is a course that allows students to learn about living organisms, including humans, and their interactions with each other and their surroundings. This includes investigations regarding health: of human beings, animals and other organisms, and entire ecosystems. Students will learn how the advances in the study of biology impact society and each of us as individuals and, in turn, how we each have an impact on the organisms and environment around us. Ultimately and ideally, this will culminate in a newfound appreciation for the interdependence of life on Earth.

#### BY THE END OF THE COURSE, STUDENT WILL GAIN THE FOLLOWING:

- Understand the fundamentals for the basis of life on Earth.
- Engage in scientific inquiries to design, conduct, and communicate scientific investigations to explore ideas about the natural world.
- Apply science concepts to make decisions (weighing risks and benefits) about students' personal health and well-being.
- Recognize and describe the interrelationship between living organisms and ecosystems, and the importance for preservation.
- Know that the characteristics of organisms are specified in DNA and understand its role in the evolution of species.
- Appreciate the technological advances thanks to Biotechnology and Genetic Engineering.

### COURSE MODULES

- Unit 1- Bootleg Biology Bootcamp
- Unit 2- World Biodiversity Expedition
- Unit 3- Journey to the Galapagos
- Unit 4- Time Traveler's Guide to Life on Earth

- Unit 5- Into the Cell
- Unit 6- Searching for Signatures
- Unit 7- Blue Planet
- Unit 8- A Mission Beyond

## COURSE MATERIALS

The following items are suggested for this class:

- Notebook
- Headphone/earphones

## COURSE ASSIGNMENTS

Throughout the entire course (both semesters), there are about 7,000 points available for you to earn as you learn. If you read the questions carefully, think about the feedback you get, and give it your best try, you'll do very well in this course.

You get more points the longer you have been learning about a concept. You can expect that there are more points available at the end of a lesson than at the start.

Lessons account for a point value, each lesson contains a mixture of formative and summative assessments, as well as activities. As you get started in the course this will begin to make sense, below is a breakdown of points you can achieve for a specific screen.

- Instructional Screens (5 points each):
- Simulation Screens (10 points each):
- Summative Screens (20 points each):
- Formative Screens (1 point each):
- Metacognitive Screens (0 points each):
- Review Screens (0 points each):

You can see how many points you have for ongoing lessons, completed lessons, and each unit.

- During a lesson, you can see how many points you have at the top of the page.
- Outside of a lesson, each has a total score, shown in the Learnspace next to the star on the lesson info pane.
- Each unit has a score, also shown in the Learnspace in the unit information pane.

What happens when you restart a lesson? Your answers and your scores from each lesson attempt are recorded and available to your instructor.

The score you will see in your Learnspace is the highest score you have for a finished lesson. If you restart a lesson, you won't see that score in your Learnspace until you completely finish it, but your instructor will still be able to see your in progress score.

The course will follow the high school grading scale:

## ASU PREP GRADE SCALE

Letter Grade	Percent Range	Grade Points
A	100% to 90%	4.0
B	89% to 80%	3.0
C	79% to 70%	2.0
D	69% to 60%	1.0
F	59% to 0%	0

## COMMUNICATING WITH YOUR INSTRUCTOR

Check the Home page for your instructor's contact information.

## TECHNOLOGY REQUIREMENTS

### DEVICES

Devices that are less than 5 years old is recommended.

- Desktop
- Laptop
- Chromebook
- Microphone and webcam

### OPERATING SYSTEMS

- Windows 10 and newer
- Mac OSX 10.6 and newer
- Linux
- ChromeOS

### INTERNET SPEED

- High speed internet (recommended)

## SUPPORTED BROWSERS

- Edge (latest version)
- Safari (latest version)
- Chrome (latest version)
- Firefox (latest version)

## SUPPORTED BROWSER PLUGINS AND SETTINGS

- Javascript enabled
- Flash - latest version is recommended
- 1024x768 is recommended
- Pop-up blockers should be disabled
- Cookies should be enabled.

## VIRTUAL REALITY (VR) /AUGMENTED REALITY (AR)

Some courses have Virtual and Augmented Reality experiences which are best viewed with devices that are AR/VR enabled. These experiences can have large file sizes and it is recommended that they are downloaded over wi-fi. Minimum Devices:

- iPhones 5S
- Samsung Galaxy S5
- Newer VR/AR enabled devices (Recommended)

Please contact [support.asuprep.org](http://support.asuprep.org) for further assistance.

## ACADEMIC INTEGRITY

In this course we practice the “ASU Prep Way,” and as a part of this policy, it is essential for students to complete their own work at all times. Cheating means using the work of another person as their own, copying information or answers from another student, plagiarizing, allowing another student to copy work, excessive collaboration on an assignment meant to be done individually, or sharing test/quiz questions/answers with students who have not yet taken the test/quiz. If a student is caught violating these guidelines, he/she will receive disciplinary action according to school policy.