

OHHS Science Department Course Syllabus



Course Name: Biology Trimester A and B
Course Code: SCO203

Course Description:

Biology is an important and exciting course that introduces students to many basic science concepts. This year-long course stresses the molecular basis of living organisms. Emphasis is on the following topics: cell biology, biochemistry, genetics and heredity, ecology, evolution, and human systems.

Prerequisites

None

Course Resources

- Textbooks: Nowicki, Stephen. *Biology*. Houghton Mifflin Harcourt Publishing Company, 2016.
ISBN 978-0-544-81798-2
- Supplemental: Chromebooks, various books, lab books, and articles will be provided throughout the semester.

Course Fees

None

Course Outline/Instructional Units

Trimester A

1. Ecosystem Interactions & Energy - interdependent relationships in ecosystems; cycles of matter and energy transfer in ecosystems; ecosystem dynamics, functioning, and resilience; social interactions and group behavior

2. History of Earth's Atmosphere: Photosynthesis & Respiration - nuclear processes; energy in chemical processes; cycles of matter and energy transfer in ecosystems; the history of planet earth; weather and climate; biogeology

Trimester B

3. Inheritance of Traits - structure and function; inheritance of traits; variation of traits; natural selection; adaptation
4. Evidence of Evolution - nuclear processes; evidence of common ancestry; adaptation; the history of planet Earth; plate tectonics and large-scale system interactions; the roles of water in Earth's surface processes; natural resources; natural hazards; human impacts on Earth systems; developing possible solutions

Major Assessments

As students complete each unit, they will complete a series of projects or exams.

Extra Help

Teachers will provide information regarding tutoring in classroom procedures. Students are encouraged to take advantage of tutoring opportunities and assistance will be offered in class.

RE-DO POLICY:

OHHS is an effort based school where we believe all students can learn. We also know that students learn at different rates. Thus, we are implementing a re-do policy that recognizes the needs of individual learners.

- 100% Re-do
 - Assessments (with exception of the Final semester exam)
 - Key Assignments: Evidence that demonstrates mastery of a standard
- Teachers may:
 - require completion of supporting assignments prior to re-do opportunities for students to show they can meet the standard.
 - require students to complete re-do of work outside of class time.
 - limit the number of re-do opportunities for each assignment.
 - assign zero grades when students choose not to do key assignments and/or assessments to standard.
- All opportunities for re-do work will come with a deadline as assigned by the teacher.

LATE WORK POLICY:

All late work can be completed and turned in up to the end of the unit for up to 75% credit.

Weighted Categories

Category	Percentage of Overall Grade
Assessments (Exams, Lab Reports, Projects)	75%
Quizzes (not eligible for redo)	15%
Daily Work (not eligible for redo)	10%
Formative Assessment (not eligible for redo)	0%

Grading Scale:

Regular Scale	
Letter Grade	Percentage
A	93% and Above
A -	90%-92.99%
B+	87%-89.99%
B	83%-86.99%
B-	80-82.99%
C+	77%-79.99%
C	73-76.99%
C-	70-72.99%
D+	67%-69.99%
D	60%-66.99%
F	59.99% and Below

OHHS PLAGIARISM POLICY:

Any student, who knowingly turns in any work that has been done by someone other than himself or herself, and fraudulently represents it as his/her own, shall be considered to

have cheated. Cheating also includes: aiding someone else in cheating, the use or preparation of written, pictorial, electronic or other materials not authorized by the instructor during a test or assignment, the use of testing materials obtained previous to the test date, or plagiarism of any kind. Students found cheating will also be subject to an office referral, which could result in a suspension. As an effort based school, students who have plagiarized/cheated must still demonstrate their learning. Thus, students will be given the opportunity to complete the work. This will fall under the “Late Work Policy” of the teacher where total possible points may be reduced.