

Course Syllabus for Biology SCI131 (Sem 1), SCI132 (Sem 2)

Course Description: This course is designed for those students who desire a background in basic biology and a strong basis for further science study. The course of study in Biology includes all the major themes essential to understanding life. This is often achieved through problem solving, laboratory experiences, and group activities. The text material provides the factual foundation necessary to understanding the principals of life discussed in the course.

Biology Standards: The Next Generation Science Standards will be used. Understands and applies knowledge of: cells, classification, respiration, photosynthesis, plants, animals, genetics, evolution, and organ systems.

Assessment: Formative, Summative, Quizzes, Self

Content Semester 1	Scientific Method, Chemistry, Cells, Photosynthesis, Cellular Respiration, Genetics Chapters 1-2, 7-13
Semester 2	Human Body Systems, Classification, Bacteria & Viruses, Invertebrates, Chordates Chapters 18-19, 26-28, 30-40

*Several lab activities will be incorporated with the above categories and these chapters are subject to change.

Instructional Strategies: Students will demonstrate knowledge and understanding of characteristics, structures, and functions of living things, the process of life, and how living things interact with each other and their environment. This will be done individually, in group work, assignments, & projects.

Resources: Textbook-Biology Prentice Hall, online, websites, etc.

Academic/Behavioral Expectations:

There are three R's emphasized, demonstrated, and expected in this class every day. The three **R's** include being **Receptive**, having **Respect**, and being **Responsible**.

*Demonstrate a positive attitude toward yourself, classmates, and teacher as well as materials and equipment in the classroom.

*Be punctual, attend class every school day. **Be on time.**

*Bring textbook, paper (notebook), pencil, or pen to class with you each day and an engaged mind.

*Complete all assignments and turn them in on time. You are responsible for all work in this class.

*Students are expected to complete their own work. **Your efforts** will help you better understand the biology curriculum.

*All students are expected to behave properly/appropriately. **Use common courtesy and etiquette.**

If student does not follow classroom and Hempstead High School rules, consequences can result (see student planner).

***Always tell the truth.** You are accountable for your actions and reactions.

*Keep the desktops, floors, and classroom clean.

***Remain in your assigned seat until the tone sounds.** You may be given time to complete assignments in class; use this time to work on the assignment.

*Electronic devices should not be used in the classroom unless authorized by teacher.

No food or drinks allowed. Water is acceptable.

*Follow other rules as explained in student planner.

*The teacher is not responsible for damage or loss of any items brought into the classroom by the student.

Lab Instructions

***Read and Follow all safety instructions.** Parents and students will know safety procedures, sign safety form, and return to teacher.

***Goggles will be worn for all laboratory work.**

***No food or drink allowed.**

***All equipment and lab counters must be cleaned and items returned to the proper place before you leave the classroom.**

Attendance

*Be punctual.

*It is YOUR responsibility to find out what was covered in class during any absence. Check the assignment notebook that is left in the classroom.

*For any excused absence you have two days to make up the work that was given the day of the absence for full credit. The previous day(s) work is due the day you return for full credit. *If turned in after due date credit is reduced (see Grading*). If absent and an assignment is due (has not been turned in) it will show up in PowerSchool as zero until the assignment is completed, turned in and graded.

All work for a particular unit must be completed before the scheduled unit exam. Missed quizzes are to be made up before taking the unit exam and missed exams must be made up by the following chapter exam.

*Absences and tardies may be given an alternative assignment to be completed as above.

*Participation points may be given. **It is important to be in class on time every day.**

Ethics

*All students are expected to complete their own work. In lab and certain classroom activities students will be allowed to work together to complete lab procedures, collect data, and discuss questions. Students are required to always complete their own work independently to ensure that answers are in their own words and portray the meaning that they understand.

*If students are caught copying work, both the copier and the one getting his/her work copied will receive no credit. Plagiarism is never accepted.

*Follow all school policies.

Grading Plan: Four categories comprise the Biology grade: assignments (homework & class work), laboratories/activities, quizzes, and tests.

Each category will be based on total points and a grade equivalent will equal a percent correlating to a letter grade as shown below:

A 100-93%	A- 92-90 %	
B+ 89-87%	B 86-83%	B- 82-80%
C+ 79-77%	C 76-73%	C- 72-70%
D+ 69-67%	D 66-63%	D- 62-60%
F 59-0%		

Assignments turned in after due dates are worth 0-60%*

Grades are available through the internet using Power School. These grades are updated frequently. In order to display **accurate grades** any missing assignments will show as **zero**.

Semester Exams

*A **semester exam will be given** and will not exceed 10% of the total grade for the semester.

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