

# General Biology I (BIOL 1106, 1034) Syllabus

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## LABORATORY TIME & LOCATION

Tuesdays, 12:10 pm to 2:40 pm

HS-220

## SCHEDULE

Lab # / Date	Topic	Due
1) September 15	Introduction to Microscopes	No Quiz
2) September 22	Acids, Bases, and Buffers	Lab 1/ Quiz 1
3) September 29	Biologically Important Molecules	Lab 2/ Quiz 2
4) October 6	The Crazy World of Cells	Lab 3/ Quiz 3
5) October 13	Diffusion & Osmosis	Lab 4/ Quiz 4
6) October 20	Enzymes at Work	Lab 5/ Quiz 5
7) October 27	Cell Respiration & Photosynthesis	Lab 6/ Quiz 6
8) November 3	Genetics & You	Lab 7/ Quiz 7
9) November 10	CSI & DNA Isolation	Lab 8/ Quiz 8
10) November 17	The Central Dogma and PCR	Lab 9/ Quiz 9
11) December 1	PCR Lab with Gattaca	Lab 10/ Lab 11/ Quiz 10

## Laboratory Information

1. Lab will consist of a variety of learning methods, including microscope use, observation, and hands-on experiments.
2. All lab experiments and exercises are completed in groups of 2-4 students (depending on the total enrolled in each section) by working together in a collaborative effort.
  - However, this collaboration does not give students the license to copy answers, thoughts, or observations from their lab partners; it simply fosters working together towards a common goal (see Academic Honesty section of Syllabus for more details on this subject).

3. Total points that can be awarded in this course is 310
  - There will be 10 total quizzes, 20 points each given at the beginning of class
  - There will be 11 total laboratory assignments, 10 points each due at the beginning of class
  - Pre-lab exercises must be completed prior to lab, lab exercises must be completed in lab, and follow-up or expanding your mind questions must be completed during or after lab, all in your own words and by your hand.
  - The lab quizzes will be based on the work you are assigned to complete in the lab, and not directly on the textbook, thus regular attendance is absolutely necessary for you to succeed.
4. If you miss a lab, you must plan ahead in order to attend another lab during the same week, and this is not optional. Call or email the instructor of the lab you'd like to attend ahead of time to ask permission and verify there is enough space for you in that section (because some are more full than others). Attending another lab is entirely at the discretion of the instructor.