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**MOELLER**

# AP BIOLOGY

## SC414

**Mr. Dan Shannon**

# AP BIOLOGY

## Course Information:

1. AP Biology is a senior elective in the science department designed for students who plan to major in a scientific field in college. Signing Up for this course requires you to take the AP exam in the Spring. Failure to do so, will forfeit your AP credit, and your weight on your transcript for the course.
2. Pre-requisite Class:
  1. AP Chemistry – 80% First Semester Average or permission of instructor
  2. CPI Chem – 90% First Semester Average or permission of instructor



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## Course Description:

- Major Topics
  - Biochemistry, Statistics, and Laboratory Techniques
  - Cells and Cell Processes
  - Genetics - Mendelian and Molecular
  - Population Genetics and Evolution
  - Anatomy and Physiology
  - Ecology



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## **Course Description:**

The AP Biology curriculum I teach is diverse and kinesthetic, but it's fast-paced and requires in-depth coverage of the material so that the students receive a university-quality biology education. Bringing in Guest Speakers or attending conferences helps us to be as current and relevant in the modern field of biology as possible as well as providing information about career paths. Students who complete Advanced Placement Biology typically (but, not limited to) major in Biology, Biochemistry, Genetics, Medicine, Pharmacy, or Bio-Engineering.



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## Academic Requirements:

Homework assignments range from reading the textbook in preparation for class to collaborative projects to be presented during class.

There are eight formal labs required by College Board, however our class is structured around the activity or the model that best explains the topic. We perform a lot of informal labs from which we learn a great deal.



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