

# COURSE DESCRIPTION

## Advanced Placement Biology

### The 411:

Instructor – Mr. Ulrich

Phone – 256-4175 ext. 69556

E-mail – [kulrich@newpaltz.k12.ny.us](mailto:kulrich@newpaltz.k12.ny.us)

Sign – Scorpio



### The Resources:

Text Book: Mader *Biology*, 9<sup>th</sup> Edition

Bozeman Biology Podcasts on youtube.com

Recommended review Books : Cliff Notes or All Access AP Biology

[www.mrulrichslandofbiology.com](http://www.mrulrichslandofbiology.com)

### The Course:

Unit 1 Structural Biochemistry (4 weeks)

Unit 2 Cells and Cell Processes (8 weeks)

*Metabolism is a major subunit.*

Unit 3 Genetic Basis of Life (9 weeks)

*“Classical” genetics and biotechnology are major subunits.*

Unit 4 Evolution (7 weeks)

Unit 5 Organism Form and Function (2 weeks)

*The nervous system, endocrine system, and immune system are emphasized.*

*Ecology, Animal Behavior and Population Biology are covered in the lab class.*

### The Evaluation:

- **Quizzes (50%)** – will be in new format; 10-20 multiple choice, a few “grid-in” questions, a long free response question and several sort answer questions. Vocabulary Quizzes – can happen anytime; worth 5 points each. Vocab quizzes can be retaken; no do-overs for MC/FR.
- **Laboratory Work (25%)** The college board has moved towards what are called inquiry-based labs;
- You have to design experiments, conduct them, write up results in a lab notebook
- We will be implementing some of the recommended activities (there are 13) this year.
- **Homework and Classwork (25%)** is an essential part of this course!
- You must do homework, on time, every day.

- Do not wait for the last minute – do some every night when you get home.

Preparation for this class is extremely important – you need to budget close to one hour *each day (not each class)* to do well.

- In class, you need to come prepared: notebook, lab materials – every day.
- The notebook needs to be used – take notes, write stuff down! Keep your papers neat and organized.
- Homework needs to be completed on time – deductions will be made from your grade. Late HW will not be awarded credit. It should, however be completed.
- If you can't find time at home, come after school and work.

Do I really have to say anything about cell phones in class and plagiarism?

#### 4<sup>th</sup> Quarter:

Students will have several options after the AP exam is over.

Most students last year chose option 1. Labs and on-line assignments will be substituted for workbook chapters in the gradebook. The final is worth 20% of your 4th quarter grade (school policy).

#### **Other Tasty Tidbits**

- All power points, worksheets, and activity/lab material are posted.
- Answers to some homework will be posted after it has been checked.
- Working consistently every day works, leaving things to the last minute does not! Put in a modest amount of time *every single day*, not just right before class or not at all.