

# AP Biology Course Outline

## Dannenberg 2010-2011

### 1<sup>st</sup> Term

#### Ecology

Chapters 50, 52, 53, 54, 55

*Lab: Dissolved Oxygen & Aquatic*

*Primary Productivity*

#### Chemistry

Chapters 3-6

*Lab: Enzyme Catalysis*

#### Cells/Cell Cycle

Chapters 7, 8

Chapter 27 pp. 526-528, 532-537

Chapter 28 pp. 545-554

Chapter 12

*Lab: Mitosis*

### 2<sup>nd</sup> Term

#### Respiration and Photosynthesis

Chapters 9, 10

*Labs: Cell Respiration*

*Plant Pigments & Photosynthesis*

#### Meiosis and Genetics

Chapters 13, 14, 15

*Lab: Meiosis (with statistical analysis)*

#### Molecular Genetics

Chapters 16-20

*Labs: Gel Electrophoresis*

*Transformation*

### 3<sup>rd</sup> Term

#### Evolution

Chapters 22-25

Chapter 47

*Lab: Population Genetics/Evolution*

#### Animal Diversity

Chapter 32 p. 636

#### Human Physiology

Chapters 40-49

*Lab: Physiology of the Circulatory System*

### 4<sup>th</sup> Term

#### Fungi and Plant Diversity

Chapter 31 pp. 616-619, 626-629

Chapter 29 pp. 575-584

Chapter 30 pp. 597-600

#### Angiosperm Physiology

Chapters 35-39

*Lab: Transpiration*

Review for the AP Exam

Final Exam

AP Exam: 8 am, Monday, May 9

IRP Presentations