

## **Advanced Biology**

2011-2012 Webworks

Full Year Course

10<sup>th</sup>-12th grade

One High School science credit

### **Course Tutor:**

Amy Ham

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### **Course Description:**

Advanced Biology sets out to explore one of God's great creations; the human body. In fact, the awesomeness of this organism, fearfully and wonderfully made, overshadows any technological advancement made by humans. Building on a base of introductory biology and chemistry, this course will provide in depth coverage of all the major systems within the human body: the integumentary system, the skeletal system, the nervous systems, the endocrine system, the circulatory system, the lymphatic system, the digestive system, the respiratory system, the urinary system, and the reproductive system. We will look at the structures of these systems, along with their functions and chemical make up.

Advanced Biology is an hour and a half long, full year class. Additionally, students will be expected to do an hour to an hour and a half of homework each day.

### **Course Prerequisites:**

- One first year biology course
- One first year chemistry course

### **Required Texts:**

*The Human Body: Fearfully and Wonderfully Made!*

Dr. Jay Wile and Marilyn M. Shannon

ISBN: 978-1-932012-09-5; <https://apologia.securesites.net/>

### **Required Supplies:**

- 3-ring notebook
- Lined paper
- 16 dividers (2-sets of 8-tab dividers will work great)
- Writing utensil and highlighter

### **Tutor Bio:**

I grew up in Metro Detroit in a strong Christian household. I earned a bachelor's degree in Physics from Michigan State University and spent two years in law school before realizing that education was my calling. I still reside in the East Lansing area where I am a stay at home mother to a sweet baby boy. I have a passion for science, and I love sharing my knowledge about God's creation. I have a solid belief that the more I learn about science, the stronger my conviction in God becomes. This is my first year working with Webworks, and I am very excited to be a part of such a wonderful program.