



PIONEERS Co-Op

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Overview of ANATOMY & PHYSIOLOGY (Grades 10/11-12)

Tutor: Mrs. Molly Badillo
734-770-3320
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Textbooks/Resources:

- **Exploring Creation with Advanced Biology: The Human Body (Second Ed.)** by Marilyn Shannon and Rachael Yunis (Apologia; 2013)
- **Exploring Creation with Advanced Biology: The Human Body (Second Ed.), Solutions and Tests Manual** by Marilyn Shannon and Rachael Yunis Paperback
- **Anatomy Coloring Book – Kaplan Test Prep (Ninth Ed.)** by Stephanie McCann & Eric Wise; ISBN-13 978-1506281216; ISBN-10 1506281214

Prerequisite: Biology, Chemistry recommended but not required.

Lab Fee: \$25.00 per semester to cover the cost of dissection specimens.

Concepts Covered: This is a rigorous, college-prep advanced biology course. Concepts covered include:

- Overview of medical terms
- Histology
- Human Anatomy and Physiology: covering 11 organ systems
- Cellular Biology
- Special Projects:
 - Research paper on a specific aspect involving the neurological system
 - Present and create a poster project outlining the details of a specific body system (second semester)

Laboratory Experiences Include:

- Microscope Usage and Drawing
- Dissection; brain, eye, heart, fetal pig, kidney
- A greater emphasis will be placed on dissection, using a fetal pig, to study different body systems.

Supplies — Bring to each class session:

1. Textbook
2. Pen (blue/black), pencils and eraser
3. 3-ring notebook —1 ½ inch.

Student Evaluation:

Homework	15%	Quizzes:	10%
Tests	25%	Labs:	15%
Semester Exams	20%	Semester Special Projects:	15%

Grading Scale

90-100%	=A
80-89%	=B
70-79%	=C
60-69%	=D
Less than 60%	=E

* Percentage for each category multiplied by the "% of semester grade" = total grade.