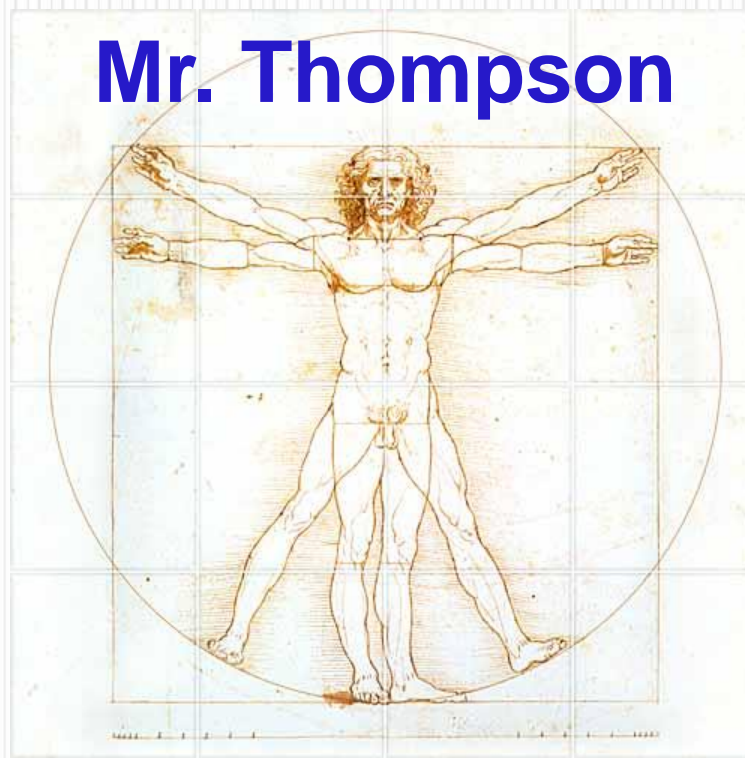




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Anatomy and Physiology CP1 SC321

Mr. Thompson



Anatomy and Physiology

Course Information:

1. Department: Science
2. 1 credit, year-long course
3. Level: CP1
4. Eligibility: Sophomores, Juniors, Seniors
5. Pre-requisites
 1. All students must have taken Biology (HON) or averaged greater than an 80 in Biology CP1.
 2. Seniors must also be enrolled in Physics, or already have a Physics credit.



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Anatomy and Physiology

Course Description: The Anatomy and Physiology course takes a systems approach towards the study of the structure and function of the human. Students will explore the developmental aspects and homeostatic imbalances when studying each system. Particular emphasis is placed on laboratory skills, reading skills, collaboration with peers, and frequent study assignments.



Anatomy and Physiology

Course Content:

- The Body – An Orientation
- Biochemistry
- Cells and Tissues
- Integumentary System
- Skeletal System
- Muscular System
- Nervous System and Special Senses
- Endocrine System
- Blood
- Cardiovascular System
- Lymphatic System and Body Defenses
- Respiratory System
- Digestive System
- Urinary System
- Reproductive System



Anatomy and Physiology

Academic Requirements:

1. Typical amount of homework/reading per night:
20-30 minutes
2. One major project per semester
3. Multiple labs/dissections per quarter



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Anatomy and Physiology

Goals:

- The student will be able to identify the major systems of the human body.
- The student will identify the organs of each system and locate them in his body
- The student will describe the function of individual organs, tissues and cells within an individual system.
- The student will be able to describe the regulatory processes that govern the action of individual systems, organs, tissues, and cells.
- The student will research novel diseases or imbalances and explain not only the mechanism behind the imbalance but the strategies used to treat or cure the imbalance.



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