Human Anatomy & Physiology
Course Syllabus

Course Description:

Human Anatomy and Physiology is a two-semester course that deals with the structure and functions of the human body. Emphasis is placed on developing and understanding of basic physiological processes and on laboratory activities relating to the structure and function of organ systems. This course is highly recommended to juniors and seniors interested in medical or paramedical sciences, the behavioral sciences, or coaching. Laboratory activities will be included. Prerequisites include, Junior – Senior Level, with some high achieving sophomores accepted. Successful completion of Biology.

Credit: 0.5 credit per semester (weighted)

Course Units:

Semester 1

- An overview of Anatomy & Physiology
  - Levels of Organization
  - Maintaining Life
  - Anatomical Position
- Cell Cycle and Cell replication
- Reproduction
  - Male reproductive system
  - Female reproductive system
  - Fertilization
  - Chromosomal disorders
  - Development of life
- Tissues
- Integumentary System
- Support
  - Bones
  - Skeletal System
  - Joints

Semester 2

- Movement
  - Muscle Tissues
  - Muscular System
- Heart and Blood
  - Cardiovascular
  - Lymphatic systems
- Energy and Maintenance
  - Respiratory system
  - Digestive system
  - Urinary system
- Regulation and Control
  - Nervous system
  - Endocrine system
- Whole organism dissection

Required Materials:

iPad
Access to Internet sites suggested by teacher
Human Anatomy & Physiology by Elaine N. Marieb, (in classroom)
Pens, Pencils, Paper, Highlighters, Rulers, Color Pencils, Notebook, and Folder

Grading Policy:

Grades for this class are weighted as follows:

Assessments	50%
Labs / Projects	30%
Assignments / Homework	20%

Grading Scale

100-90%	A
89-80%	B
79-70%	C
69-60%	D
59% >	F

Late Work Policy in accordance with SB100.

Semester Grade:

90% Semester Course Work
10% Final Exam

Behavior Expectations:

Be on time, on task, and prepared to lean.
Show respect for yourself and others.
Take responsibility for your actions and your education.
Keep All electronics put away (unless otherwise directed)
Keep your work area clean.

Original Work, Cheating, Plagiarism, and Paraphrasing Policy :

Please refer to DPS61 Handbook and Code of Conduct.

Learning Standards:

• Students will integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. CCSS.ELA-Literacy.RST.11-12.7
• Students will draw evidence from informational texts to support analysis, reflection, and research. CCSS.ELA-Literacy.WHST.11-12.9
• Students will develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms. (HS-LS1-2)
• Students will plan and conduct and investigation to provide evidence that feedback mechanisms maintain homeostasis. (HS-LS1-3)
• Students will communicate scientific information that common ancestry and biological evolution are supported by multiple lines of empirical evidence. (HS-LS4-1)