

Honors Anatomy & Physiology

Educator: M. Lopatka: lopatkm@ocps.net Course Website: www.ehsscience.com Room: Science #705

Mission Statement:

"Improving life through learning, one student at a time"

Course Description:

Honors Anatomy and Physiology is the study of the structure and function of the human body with an emphasis on how each system plays a vital role in homeostasis. It is designed to familiarize students with process and laboratory safety skills and is hands on oriented. Each of the major body systems are covered in detail as well as their relevance in the maintenance of the human body as a whole.

A&P is designed to prepare students for all varieties' of college classes and technical courses in the medical or health fields, and students who share interest in the anatomy and physiology of the human body.

Learner Outcomes:

Upon completion of A&P, students will demonstrate understanding of the following:

1. The structure and function of cells and tissues
2. Metabolism and biochemistry
3. The structures and function of the following systems: integumentary, skeletal, muscular, nervous, endocrine, digestive, respiratory, circulatory, lymphatic, urinary, and reproductive
4. The maintenance of homeostasis
5. Human disease and pathology
6. Human growth and development

Essential Vocabulary:

Anatomy has an extensive vocabulary, most of which have Latin or Greek origins. These terms have precise meaning and can be formed into compound words easily. They have been in constant usage for many centuries by physicians and teachers. Taking the time to "dissect" terms and analyze their meanings allows students an advantage over students who simply memorize terms.

Class Activities and Lab Safety:

Students will be responsible for keeping an organized notebook (to include handouts, required materials materials, lecture, film and lab notes, returned graded assignments, dividers, and assignment sheet), participating in class activities, participating in labs and dissections, completing homework and class work assignments, projects, quizzes, research, and reports. Half of your participation grade will come from keeping an organized notebook. Dissection is an integral component of this course, if you have an issue with dissecting animals, then I recommend you see your counselor about taking another science class.

Students will complete a lab safety test, and both parents and students must sign a lab safety form that I will keep on file. Students who exhibit signs that they are a danger to themselves or others may be removed from any and/or all laboratory investigations. Students are expected to follow all safety rules and teacher instructions.

Required Materials:

Pencils and pens 3, ring binder with notebook and graph paper, colored pencils, pencil pouch, and small pencil sharpener. While not required, a \$15.00 donation for our class would be helpful to the learning environment such as scissors, construction paper, glue, etc. Students are required to bring in a box of latex gloves. Students allergic to latex should purchase non-latex gloves. Students may not participate in labs unless I have a completed lab safety form on file.

Evaluation:

The student's average is determined by a point system. The distribution of the grade is as follows:

1. All laboratory assignments and practicum's = 25-100 points each
2. Homework, Quizzes, Projects, and Class work = 25-100 points each
3. Tests = 100 points each
4. Semester and Final exams = 10% of grade

Progress reports are sent home every 4-½ weeks. Check the school calendar for dates that progress reports are sent out.

Academic Integrity: Cheating is a zero for that assignment or test and parent is contacted. Plagiarism is using information or original wording in a paper without giving credit to the source; it is also unacceptable.

Classroom Management:

1. Follow directions from the teacher and all directions in the OCPS and school student code of conduct.
2. Stay on task - you may not put your head on your desk and/or sleep.
3. Be polite - keep your hands, feet and comments to yourself.
4. Work hard – Anatomy and Physiology is a subject that requires additional work outside of class.

Consequences: 1st - 30 minute detention
2nd - 1 hour detention and/or verbal parent contact (conference).
3rd - office referral

*Tardy procedure will follow school policy.

*If you leave anything in your locker, you may retrieve it but you will receive a detention.

*Failure to bring class materials will result in detention.

*All detentions must be served within 3 days or they will be doubled.

*If the doubled detentions are not served in 3 days, you will be referred to an administrator.

*Severe offenses will be referred to an administrator immediately.

Make-up work policy:

Students are encouraged to find a study partner who would be willing to provide details about missed assignments. Parents and students may request assignments from me if the student is absent for a prolonged period of time. In extenuating circumstances, students may turn in work late provided that I have spoken with the student and have received a note from a parent/guardian. Late work is not accepted except in extenuating circumstances. If you do not turn in your make-up work by the due date, you will receive a zero. If you do not have your work on the date that it is due, you will receive a zero for that assignment. You may go to your locker if you forgot an assignment or materials, however, you will receive a detention as a result of not being prepared. If you have an unexcused absence for the date that a test, quiz, in-class assignment, and if a lab was conducted, you will receive a zero for that assignment. You are not allowed to make up work missed with an unexcused absence.

Dear Parent/Guardian,

I am looking forward to working with your son/daughter this year. Please read over this syllabus in order to be aware of the expectations. In addition to progress reports, I will contact you if there is a significant drop in your child's grade. My planning period is from 7:30- 8:15 during 1st period. My phone number for Edgewater High School is 407-835-4900 x2293. It is usually easier to contact through e-mail so feel free to e-mail me at any time, lopatkm@ocps.net. If I am not available, I will respond as soon as possible. I am available before and after school to help your son/daughter whenever he/she has questions or problems. Please encourage your child to take advantage of extra help before and after school when necessary. Please feel free to contact me whenever you have questions or concerns. Please provide your email address so that I may contact you more efficiently. The website for the course is www.ehsscience.com. This site will have most of the assignments that are given in class. I will update the website periodically. However, keep in mind that the website is constantly changing and that assignments and dates posted in class will not always be reflected in the course website. Use this site as a guide for information, not as the only source of pertinent information. You may access your son/daughter's progress through the Progress Book/ K-12 Planet system. To sign up, you need to go the EHS administrative guidance office to obtain a password.

Sincerely,

Michael Lopatka
Science Educator, EHS and UCF
B.S./MS. Biology UWF
BSE UCF
IDC Staff Instructor PADI/EFR
Instructor DAN

Student Name: _____
Student Signature: _____
Parent Name: _____
Parent/Guardian Signature: _____
Parent E-mail address: _____
Phone Number: _____