

## Human Anatomy & Physiology Course Syllabus

<b>Class Title:</b> 2005-2006 <b>Human Anatomy &amp; Physiology</b>	<b>Instructor Name:</b> Mr. Matthew Huffine
<b>Class time:</b> <b>Mon.</b> ~ 1:09 –1:56 (47 min.) <b>Wed. &amp; Fri.</b> ~ 9:52 – 11:18 (86 min)	<b>Phone/ext:</b> 760-946-5414 ext 238
<b>Office Hours:</b> <i>2nd Period</i> <b>M</b> 9:15-10:00, <b>T/Thu.</b> 9:52-11:18	<b>E-mail address:</b> <a href="mailto:mhuffine@lcer.org">mhuffine@lcer.org</a>
<ul style="list-style-type: none"> <li>• <b>Online Courses / Moodle:</b> <a href="http://class.lewiscenter.org/">http://class.lewiscenter.org/</a></li> <li>• <b>Student Grade Report:</b> <a href="https://secure.lewiscenter.org/webapps/basmati/">https://secure.lewiscenter.org/webapps/basmati/</a></li> <li>• <b>Instructor Web page:</b> <a href="http://kuhn.lewiscenter.org/~mhuffine/projects/">http://kuhn.lewiscenter.org/~mhuffine/projects/</a></li> </ul>	

**Course Overview:** Human Anatomy and Physiology explores the systems comprising the human body by emphasizing physiological mechanisms and a thorough understanding of human anatomy. An emphasis is placed on the inter-relatedness of such systems as the skeletal, muscular, nervous, and circulatory. This course is recommended for those pursuing a career in the health sciences. Being as this is the first year the course is being offered, it will largely be structured around lecture/discussion/group-work activities that will support a developing but substantial laboratory component, including a fetal pig dissection.

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
∅ <b>Organization of the Human Body</b>	3 <sup>rd</sup> Quarter 9. Brain and Special Senses
1 <sup>st</sup> Quarter 1. Orientation to the Human Body	3 <sup>rd</sup> Quarter 10. Blood
1 <sup>st</sup> Quarter 2. Chemical Processes (Brief with highlights and review when needed)	3 <sup>rd</sup> Quarter 11. Cardiovascular & Lymphatic System
1 <sup>st</sup> Quarter 3. Cellular Biology (Brief with highlights and review when needed)	3 <sup>rd</sup> Quarter 12. Endocrine System
1 <sup>st</sup> Quarter 4. Tissues	∅ <b>Maintenance of the Human Body</b>
∅ <b>Principles of Support and Movement</b>	3 <sup>rd</sup> Quarter 13. Infectious Disease & Immune System
1 <sup>st</sup> Quarter 5. Integumentary System	3 <sup>rd</sup> Quarter 14. Respiratory System
2 <sup>nd</sup> Quarter 6. Skeletal System	4 <sup>th</sup> Quarter 15. Digestive System & Nutrition
2 <sup>nd</sup> Quarter 7. Muscular System	4 <sup>th</sup> Quarter 16. Urinary System
∅ <b>Control Systems of the Human Body</b>	4 <sup>th</sup> Quarter 17. Reproductive Systems *
2 <sup>nd</sup> Quarter 8. Nervous System	* <i>If time Permits</i>

**Purpose:** At the completion of the of this course, the student should be able to demonstrate an understanding of the fundamental concepts regarding the organization (*anatomy*~ structure and *physiology*~ function) of the human body, principles of body support, movement, control of body systems, and how those systems are maintained. In the process, it is hoped that each student has an opportunity to

- a. Engage in challenging learning experiences which offer them an opportunity to explore varied responses to the human condition;
- b. Practice the skills of analytical inquiry;
- c. Develop a greater sense of maintaining personal health;
- d. Broaden their social consciousness;
- e. Advance their creativity skills that will be essential for professional competencies in the student's chosen career.

At the completion of this the 1<sup>st</sup> semester, students should have mastered the knowledge and skills that will serve as a broad foundation for the more specialized courses they might elect to take later on during their high school or college careers. Students should also understand and appreciate the relationship between biological knowledge and their everyday life, including a better understanding and appreciation of their body's functions and a greater enjoyment of leisure time activities. By the end of the 1<sup>st</sup> and 2<sup>nd</sup> semester students should be able to answer the following Essential Questions:

- How does a human body function?
- Are the body systems interdependent, independent? Is one system more important than the others?
- What effects are there upon the body systems when subject to less than optimal quantity and quality o f its basic environment requirements?
- What functions are necessary for an organism to maintain life?

- How is understanding the organization of your body essential to making informed lifestyle choices?
- How do our actions influence our systems?
- What is the importance of having a frame of reference when studying anatomy and physiology?

**Materials Needed for Class:**

- Sturdy 3-ringed flexible notebook (must hold 250+ sheets of paper)
- Lined paper (college rule)
- Pencil, pen, colored pencils
- Tabbed notebook dividers (a set of 5+ will do, colored tabs are helpful)

**Lab Fee:** The lab fee for *Human Anatomy and Physiology* is \$20.00 per semester, payable at the beginning of each semester. Fees will be collected and receipted during the first few weeks of the semester. These fees will only be used to purchase consumable items for the course.

∇ **Grading Procedure:** Quarter and semester grades will be based on the student scores on homework assignments, classroom discussion, reading and vocabulary based quizzes, lab/investigation based assignments, individual and group projects, assessments (unit, quarter and semester). Students working at home are expected to take quarter assessments. These assessments will only cover those state standards that were addressed during current quarter. In most cases, a student's grade will depend upon how well the do in the following areas: (**Be advised**, the following grading system may be adjusted as needed as this is the first year this course is being offered)

Assignment Type	Percent of Overall Grade
Homework assignments	20%
Lab/Investigation based Assignments Class Presentations	20%
Classroom discussion, reading and vocabulary based Quizzes	20%
Unit Assessments, Individual projects, Group Projects	25%
Midterm an/or Semester Final	15%

- ∇ **Quarter & Semester Assessments:** This assessment will be composed of two parts: part one will assess the student's knowledge of standards based curriculum content<sup>1</sup>; part two will included information and experiences that students were exposed to during class discussions and laboratory investigations. The assessment format will be a combination of diagrams, essay, short answer, and objective (multiple choice, matching, true/false, etc.).
- ∇ **Make-ups:** Assessments and lab make-ups must take place no later than a week after the student returns to school. The only acceptable excuses are the ones cleared by the parents and must be accompanied by a written excuse.
- ∇ **My Expectations of You:** Attend all classes and labs prepared to work. Follow all school policies. Contact me after your absence, to receive the material missed in class. Participate in class discussions. Excessive absences, lack of participation, and a general disregard of school policy are not characteristic of a high school student that is pursuing academic excellence.

## **Course Rules, Attendance & Tardies, Cheating, Tutoring:**

- ∅ Students will respect themselves, others, and school property.
- ∅ Students will be in their seats and prepared for class on time. (**5 minutes after being released from their last class**)
- ∅ Students will work to the best of their abilities.
- ∅ The teacher will dismiss students from class.
- ∅ **Each student is required to bring a class notebook (ISN) and the required school supplies (i.e. student planner) to each class meeting.** All of your notes, handouts, and labs will be kept there for easy reference. Bring the notebook to class every day. Random notebook checks will take place to ensure that you are keeping up with the class and its assignments.

### **Consequences:** (as per Parent Student Handbook)

- ∅ *First Violation* – Level 0 ~ Verbal classroom Warning and /or other consequence as determined by the instructor.
- ∅ *2<sup>nd</sup> + Violations* – Level 1 ~ ! Written Warning
- ∅ *Next Violation* – Level 2 ~ Parent Notification/written violation/ Writing assignment
- ∅ *Next Violation* – Level 3 ~ Parent/Student/Instructor Conference
- ∅ *Next Violation* – Level 4 ~ Administrative Citation

**Cheating Policy:** Cheating and plagiarism will result in a failing grade for the assignment in question. It is expected that all work turned in by you is completely your own. (as per Parent Student Handbook)

**Please Note:** If anyone in this class has a unique problem that would impair her/his full demonstration of abilities on any of the exams or other assignments, please see me ASAP so we can work out alternative methods testing/grading. I reserve the right to alter the syllabus and coursework guides (i.e. due dates, course requirements, assessment dates, scope and sequence of lessons taught) for this class should it be necessary. Any changes will be fully explained to the students.

**Tutoring:** Tutoring will be made available during homeroom and after school beginning after the second week of the 1<sup>st</sup> quarter. If tutoring is needed before this time, the student must make arrangements with me regarding the time and date.