

Life Science Academy @ Owensboro Community & Technical College

Principles of Biomedical Sciences (PLW 130)

Section A001 meets daily in Rm. 207 of Science Building, 7:30-9 AM – Mr. Steve Hahus

Section A002 meets daily in Rm. 207 of Science Building, 2-3:30 PM – Dr. Chad Wilkerson

Fall & Spring Semester 2018-2019



LIFE SCIENCE ACADEMY
COMMUNITY CAMPUS

Mr. Steve Hahus

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Office hours by appointment

Dr. Chad Wilkerson

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Office hours by appointment

Project Lead The Way® course in Principles of Biomedical Sciences: Engages students in the study of human medicine, research processes and an introduction to bioinformatics. Exposes students to investigations of human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Challenges students to determine the factors that led to the death of a fictional person, after which the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Includes analysis of key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, the relationship of structure to function and defense against disease. Outlines all the courses in the Biomedical Sciences™ program to lay the scientific foundation necessary for student success in the subsequent courses.

Required Text: Electronic curriculum

Project Lead the Way. Inc. (2015) Principles of Biomedical Sciences™ Curriculum Manual (v1.0)
Indianapolis, IN: Charitable Venture Foundation.

Grading Criteria

30% - Exams

10% - Quizzes

10% - Web Portfolios

15% - Lab Notebooks

15% - Assignments (e.g., conclusion questions, career journals, concept maps, presentations, posters, models, papers, proposals, etc.)

20% - Participation (e.g., active participation with a positive attitude regarding in-class activities)

Ways to lose points: excessive absences/tardiness, talking while professor is talking, too loud in groups, inappropriate hallway behavior, failure to work well in a group, attitude problems, failure to follow directions, staying off-task, excessive off-topic discussion, improper use of laptops, phones or internet

Grading Scale

A = 90-100%

C = 70-79%

F = Below 60%

B = 80-89%

D = 60-69%

Please visit the "Common Policies" tab of our website @
<http://www.lifescienceacademy.net/policies.html>

The syllabus can and may be modified over the course

General Policies

Attendance: Students are expected to attend and be on time for each and every class. The attendance and tardy policies and procedures will be the same as your home high school. In order for you to learn, you must be present. The expectation is that you are in the classroom, willing and ready to learn each day. This class is fun but it is also challenging. If you miss class, you will get behind which ultimately causes you more work. When your home school activities conflict with the LSA we will work with you on an individual basis. Because so much of what we do is team-based, you will be missed by your group when you are not in class!

Late Work: Homework, projects, labs, etc. are due at the beginning of class on the assigned day. **I will not accept late work from students unless they have an excused absence.** It is your responsibility to retrieve the work you missed. You may email me to get missed assignments. Labs cannot be made up. If you miss a lab, a make-up assignment will be given even if you have an excused absence.

Be Prepared: Bring all required materials and a good attitude to class every day: 2 NON-SPIRAL lab journals, calculator, flash drive, pens, pencils, erasers, highlighters, post-it notes, etc., and 3 boxes of exam gloves

Student Code of Conduct: Please remember you are not the only one in class. You are to treat others in a tolerant, considerate, courteous and respectful manner at all times. This includes using appropriate language, speaking in a mature manner, keeping your hands to yourself and participating fully in classroom activities. Many of the lesson activities in this class require group work. Therefore, participation and getting along with others is a necessary component of the course. Cheating, plagiarism and copying of assignments will not be tolerated. Such activities will result in a grade of zero for that particular exam or assignment and may result in failure of the course in accordance with the Code of Student Conduct. OCTC and KCTCS strive to maintain an atmosphere of academic freedom and personal respect that creates an environment in which all can be successful. As part of this commitment, KCTCS has developed a Code of Student Conduct that serves as a guide for the student's responsibilities and rights within our academic community. Expectations of OCTC Standards of Professional Conduct are available at <http://www.octc.kctcs.edu/expectations/spc.htm>.

OCTC Policies

Disability Accommodations: Students with disabilities who require accommodations (academic adjustment and/or auxiliary aids or services) for this course must contact the Disability Services Office in the Counseling Center, Campus Center Building, Room 102B. The DSO telephone number is 270.686.4528. Dial 711 for TDD protocol. Please DO NOT request accommodations directly from the instructor without a letter of accommodation from the Disability Services Office.

The Quality Enhancement Plan (QEP): OCTC has embarked on a five-year Quality Enhancement Plan (QEP) to improve student learning through the setting of clear expectations for all OCTC students--expectations founded on our general education competencies and focused on 1) the expression of ideas, 2) the ethical and personal responsibility to be exhibited by every member of the OCTC community of learners, and 3) the life-long need for social/civic interaction and learning. For more information visit: <http://legacy.owensboro.kctcs.edu/ir/qep/>

Procedures Relating To Discrimination, Harassment, & Sexual Misconduct

1. If a student thinks that he/she has been discriminated against, the student shall inform the chief student affairs officer or his/her designee with thirty (30) calendar days of the occurrence of the alleged incident. The chief student affairs officer or his/her designee shall conduct a preliminary investigation of the discrimination grievance.
2. The student, chief student affairs officer or his/her designee, and other involved parties shall work informally to negotiate a solution within fourteen (14) calendar days. The informal student discrimination grievance procedure shall be completed within forty-four (44) calendar days of the occurrence of the alleged incident.
3. If the grievance is not resolved to the satisfaction of the student through the informal grievance procedure, the student may file a formal appeal according to the KCTCS Student Code of Conduct.
4. If a student feels he/she has been subject to sexual misconduct, those complaints should be made to the College Title IX Coordinator or other college administrator. Such complaints shall be handled in accordance with the Sexual Misconduct Procedure