

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
1) To develop an understanding of the processes involved in biological organisms and how they relate to disease	1) Students will become familiar with the vocabulary and language associated with biology, physiology, and pathophysiology 2) Students will be able to describe various processes in biology and predict possible points of deviation that may lead to disease
2) To enhance students quantitative reasoning skills	1) Students will be able to measure, calculate, and determine error in a laboratory setting 2) Students will be able to utilize graphs, statistics, and diagrams and apply numerical reasoning to support an argument
3) To engage students in critical thinking exercises	1) Students will be able to utilize clear logical patterns of thinking, argumentation, and questioning. 2) Students will be able to discern different points of view
4) To provide students an opportunity to research and assess scientific claims and determine their validity	1) Students will be able to compile research material 2) Students will be able to evaluate research material 3) Students will be able to apply in writing and discussions information acquired through research and other materials
5) To engage with current issues of disease and their roles in society	1) Students will be able to assess current arguments regarding disease found on social media and be able to refute “fake news” 2) Students will keep current on disease in the news and apply information to determine the validity of such news