

BIOL 3400: Drugs and Biologics: From Conception to Regulatory Approval

3 Credit Hours

Prerequisite: BIOL 3300 and (CHEM 3361 and CHEM 3361L)

This course examines the discovery and development of new pharmaceuticals and biologics. Students will learn the process of drug discovery and the role of the FDA and regulations in that process. Students will evaluate how drug entities are characterized through non-clinical testing and clinical trials.

BIOL 3410: Cell Biology

3 Credit Hours

Prerequisite: BIOL 3300 and BIOL 3300L

Modern cell biology is a unifying subject that describes the structure and function of cells in genetic, biochemical, biophysical, developmental and pathophysiological contexts. Students will learn a contemporary view of cell structure and function, including the relationship between membranes, organelles, transporters, and signaling components during the life of a cell, with an emphasis on eukaryotic systems.

BIOL 3650: Marine Biology

3 Credit Hours

Prerequisite: (BIOL 1108 and BIOL 1108L)

Students will explore the physical and biological aspects of the marine environment and describe the impact of humans on this ecosystem. Students will utilize an ecological approach to explore marine flora and fauna.

BIOL 3700K: Ichthyology

4 Credit Hours

Prerequisite: (BIOL 1108 and BIOL 1108L)

This course examines the diversity of fishes. Students will learn the anatomy, physiology, evolutionary history, and ecology of these organisms.

BIOL 3720: Sustainability at KSU

3 Credit Hours

Prerequisite: (BIOL 1108 and BIOL 1108L) or GEOG 1113K

The course includes an in-depth survey of Sustainability efforts in the areas of campus facilities and curriculum at Kennesaw State University and is especially relevant for students with interest in the area of Environmental Studies. The course has a service-learning component in which teams of students examine aspects of KSU's sustainability activities and develop proposals to improve or enhance ongoing efforts or introduce new ones.

Notes: This course is cross-listed with ENVS 3720.