

Biological Sciences, School of

[[undergraduate program](#) | [graduate program](#) | [faculty](#)]

All courses, faculty listings, and curricular and degree requirements described herein are subject to change or deletion without notice.

Courses

management, and quantitative analysis. However, this is not a traditional statistics course and no mathematics prerequisites are required. Rather this course focuses on practical skills related to effectively asking and answering biological questions with data.

BILD 7. The Beginning of Life (4)

An introduction to the basic principles of plant and animal development, emphasizing the similar strategies by which diverse organisms develop. Practical applications of developmental principles as well as ethical considerations arising from these technologies will be discussed.

BILD 10. Fundamental Concepts of Modern Biology (4)

An introduction to the biochemistry and genetics of cells and organisms; illustrations are drawn from microbiology and human biology. This course is designed for nonbiology students and does not satisfy a lower-division requirement for any biology major. Open to nonbiology majors only. **Note:** Students may not receive credit for BILD 10 after receiving credit for BILD 1.

BILD 12. Neurobiology and Behavior (4)

Introduction to the organization and functions of the nervous system; topics include molecular, cellular, developmental, systems, and behavioral neurobiology. This course is designed for nonbiology students and does not satisfy a lower-division requirement for any biology major. Open to nonbiology majors only. **Note:** Students may not receive credit for both BILD 12 and COGS 17.

BILD 18. Human Impact on the Environment (4)

Course will focus on issues such as global warming, species extinction, and human impact on the oceans and forests. History and scientific projections will be examined in relation to these events. Possible solutions to these worldwide processes and a critical assessment of their causes and consequences will be covered.

BILD 20. Human Genetics in Modern Society (4)

Fundamentals of human genetics and introduction to modern genetic technology such as gene cloning and DNA finger printing. Applications of these techniques, such as forensic genetics, genetic screening, and genetic engineering. Social impacts and ethical implications of these applications. This course is designed for nonbiology students and does not satisfy a lower-division requirement for any biology major. Open to nonbiology majors only. **Note:** Students may not receive credit for BILD 20 after receiving credit for BICD 100.