Biological Sciences revised the course structure and content of BIO 181 and 183 effective for the 2007-2008 academic year with UCCC approval. BIO 181 (beginning fall 2007) covers evolution, ecology, and biodiversity within the context of form and function. BIO 183 (beginning spring 2008) covers molecular and cellular biology.

BIO 181 Lecture Fall 07 Topics

Date	Lecture Topic
Aug. 23 Th	Introduction
Aug. 28 T	Scientific Inquiry
Aug. 30 Th	Methods of Science
Sep. 4 T	Diversity & Unity
Sep. 6 Th	Evolution: Overview
Sep. 13 Th	Natural Selection
Sep. 18 T	Mechanisms of Evolution
Sep. 20 Th	Origin of Species
Sep. 25 T	Biodiversity & Extinction
Sep. 27 Th	Evolution: Current Issues
Oct. 2 T	Phylogeny of Life
Oct. 4 Th	Phylogeny of Life
Oct. 11 Th	***Fall Break—No Classes***
Oct. 16 T	Population Dynamics
Oct. 18 Th	Community Relationships
Oct. 23 T	Species Interactions
Oct. 25 Th	Ecosystems
Oct. 30 Tu	Biomes & Global Processes
Nov. 1 Th	Conservation Ecology
Nov. 8 Th	Acquisition of Nutrients
Nov. 13 T	Acquisition of Nutrients
Nov. 15 Th	Transport Systems
Nov. 20 T	Diversity of Transport
Nov. 22 Th	***Thanksgiving Holiday—No Classes***
Nov. 27 T	Diversity of Transport
Nov. 29 Th	Responses to the Environment
Dec. 4 T	Internal Regulation
Dec. 6 Th	Internal Regulation
Dec. 11 T	

Biology 183 Spring 08 Topics

Date	Lecture Topic
10 **Jan**	Intro and Cell Chemistry
15	Biology of Macromolecules
17	Cell structure and function
22	Cell structure and function
24	Membrane structure and function
29	Metabolism and Enzymes
31	Cell Respiration
5 **Feb**	Cell Respiration
7	Exam I (Ch 2-7)
12	Photosynthesis
14	Cell Communication and Signaling
19	Cell Cycle and Multicellularity
21	DNA Structure and Replication
26	Protein Synthesis
28	Gene Regulation
4 **Mar**	No class Spring Break
6	No class Spring Break
11	Mutation, DNA Repair, and Cancer
13	Mitosis and Meiosis
18	EXAM II (Ch 8-15)
20	Mendelian Inheritance
25	Chromosomal Inheritance
27	Molecular Basis of Inheritance
1 **Apr**	Viral and Bacterial Genetics
3	Developmental genetics
8	Biotechnology
10	Biotechnology
15	Plant and animal development: Reproduction and Gametogenesis
17	EXAM III (Ch 16-21)
22	Plant and animal development: Gametogenesis and fertilization
24	Plant and animal development: Cleavage and organogenesis
1 **May**	Final Exam - comprehensive