



# Course Competency Report by Code

Code: BPT1

## Interdisciplinary Biological Science Lab (BPT1)

Course of Study: BPT1 - Interdisciplinary Biological Science  
Course Level: Undergraduate  
Course Division: Upper Division Major  
Discipline: General Natural Science  
Course Type:  
Department: Science

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
205.1.1	Cells	The graduate has a deep understanding of cells as the structural and functional units of life, including an understanding of prokaryotic cells, eukaryotic cells, viruses, homeostasis, cell differentiation analysis, and tissue and organ development.
205.1.2	Heredity	The graduate has a deep understanding of heredity as the continuity and variations of traits from one generation to the next, including the structure and regulation of RNA, the model of protein synthesis, mitosis, meiosis, human karyotype, DNA sequences, and embryology.
205.1.3	Diversity of Life	The graduate understands the historical changes in life forms (evolution of life) and the diversity of life (similarities and differences among organisms), including natural selection, global catastrophes, human influence, environmental change, and the development of hierarchical classification systems.
205.1.5	Evolutionary Patterns and History of Life	The graduate understands evolutionary patterns and the history of life.
205.1.6	Ecological Issues	The graduate understands important ecological issues, ideas, and structures, including population dynamics, community energetics, and biogeochemical cycles.