



Course Competency Report by Code

Code: C296

Earth Science: Content Knowledge (C296)

Course of Study: C296 - Earth Science: Content Knowledge
 Course Level: Undergraduate
 Course Division: Senior
 Discipline: Geosciences
 Course Type:
 Department: Education

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
204.5.1	Astronomy	The graduate has a broad understanding of the basic concepts of astronomy.
204.5.2	Geology	The graduate has a broad understanding of the principles of geology.
204.5.3	Meteorology	The graduate has a broad understanding of the concepts of meteorology.
204.5.4	Oceanography	The graduate has a broad understanding of the basic concepts of oceanography.
205.2.1	Earth Systems Structure and Function	The graduate understands the structure and function of Earth systems, including the closely coupled subsystems: geosphere, hydrosphere, atmosphere, and biosphere.
205.2.2	Earth Systems Equilibrium	The graduate understands the Earth's history and that the Earth exists in a state of dynamic equilibrium that evolves over geologic time.
205.2.3	Solar System	The graduate understands the components and properties of the solar system, and understands that the major components are in a state of regular and predictable motion.
205.2.4	The Universe	The graduate understands the composition, history, and properties of the earth and the universe, and the scale of the universe in space and time.
205.2.5	Oceanographic Concepts	The graduate has a deep understanding of the following oceanographic concepts: global plate tectonics, the origin of the oceans, air/sea interactions, and human interactions with the oceans.
602.6.1	Teaching Methods-Science (Secondary)	The graduate understands and provides safe, effective, research-based instruction in science.