INTEGRATIVE STUDIES IN BIOLOGICAL SCIENCE  ISB
College of Natural Science

200. History of Life
Fall, Spring, Summer. 3(3-0)
P: MTH 103 or MTH 110 or MTH 116 or MTH 120 or concurrently or designated score on mathematics placement test.
Life from its origin to the dawn of human history. Living things as both the products of evolutionary processes and as a major force driving evolution and altering the environment of planet earth.

202L. Applications and Organis nal Biology
Fall, Spring, Summer. 3(3-0)
P: MTH 103 or MTH 110 or MTH 116 or MTH 120 or concurrently designated score on mathematics placement test.
Exercises in the scientific method applied to earth materials and their impact on society.

205. Visions of the Universe
Fall, Spring, Summer. 3(3-0)
P: MTH 104 or MTH 110 or MTH 116 or MTH 120 or MTH 201 or concurrently or designated score on mathematics placement test.

206L. Geology of the Human Environment Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 203 concurrently.
Exercises in the scientific method applied to earth materials and their impact on society.

208L. Applications of Biomedical Sciences Laboratory
Fall, Spring, Summer. 3(3-0)
P: MTH 103 or MTH 110 or MTH 116 or MTH 120 or concurrently designated score on mathematics placement test.
Historical and recent development of knowledge about cellular developmental or genetic processes. Critical evaluation of the use and misuse of human understanding of nature, emphasizing recent findings.

209L. Laboratory
Fall, Spring, Summer. 3(3-0)
P: MTH 103 or MTH 110 or MTH 116 or MTH 120 or concurrently designated score on mathematics placement test.
Life from its origin to the dawn of human history. Living things as both the products of evolutionary processes and as a major force driving evolution and altering the environment of planet earth.

INTEGRATIVE STUDIES IN PHYSICAL SCIENCE  ISP
College of Natural Science

201. Concepts of Reality through Physical Science
Fall, Spring, Summer. 3(3-0)
P: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or concurrently designated score on mathematics placement test.
Historical and recent development of our understanding of the physical world. Selected topics from the physical sciences, their relationship to one another and to other areas of culture.

204L. Applications of Biomedical Sciences Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 204 concurrently.
Problem solving activities based on observation and the analysis of empirically derived data from environmental and organismal biology.

206L. World of Chemistry Laboratory
Fall, Spring, Summer. 3(3-0)
P: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or concurrently or designated score on mathematics placement test.
The language, concepts, models and techniques of chemical science, including atomic theory; nuclear energy; acids; chemicals in air, water, food and biological systems.

207L. World of Chemistry Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 207 concurrently.
Chemical combinations and reactivity with respect to such materials as acids, bases, dyes, foods, and deters.

208. The Mystery of the Physical World
Fall, Spring, Summer. 3(3-0)
P: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or concurrently or designated score on mathematics placement test.
Laws of physics through demonstrations and analyses of every day phenomena. Optics, mechanical systems and electromagnetic phenomena.

209L. The Mystery of the Physical World Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 209 concurrently.
Physical phenomena: optics, mechanical systems and electromagnetic.

211. Guide to the Atom
Fall, Spring, Summer. 3(3-0)
P: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or concurrently or designated score on mathematics placement test.
Historical and recent development of knowledge about and models of the fundamental structures of all matter. Physical laws governing the structure of matter.

INTEGRATIVE STUDIES IN SOCIAL, BEHAVIORAL AND ECONOMIC SCIENCES  ISS
College of Social Science

210. Society and the Individual (D)
Fall, Spring, Summer. 4(4-0)
Evolution of human behavior with an emphasis on the individual and society. Family and kinship, social organizations. Societal types, personality, and the life cycle.

215. Social Differentiation and Inequality (D)
Fall, Spring, Summer. 4(4-0)
Types, causes and consequences of stratification in human societies. Age, class, gender, race and other factors which define social position. Education, occupation, political economy.

220. Time, Space and Change in Human Society (D)
Fall, Spring, Summer. 4(4-0)
Evolution, space, time, and spatial theories of adaptation and change. Cultural evolution from prehistoric foraging to the post-industrial age. Continuity and change in the emergence and development of contemporary ways of life.

225. Power, Authority, and Exchange (D)
Fall, Spring, Summer. 4(4-0)

310. People and Environment (I)
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.
Contemporary issues related to the interaction of socio-cultural and ecological systems. Global, regional, national and local environmental problems and responses.

315. Global Diversity and Interdependence (I)
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.

320. World Urban Systems (I)
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.
Patterns of urbanization in various areas of the world over time. Linkage within and between urban centers. Economic, political and social/behavioral accommodation and adaptation to urban growth and change.

321. Culture and Revolution (I)
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.

330A. Africa: Social Science Perspectives (I)
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.
Comparative study of geography, cultures, politics, and economies of Africa. Diversity and change.

330B. Asia: Social Science Perspectives (I)
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.
Comparative study of geography, cultures, politics, and economies of Asia. Diversity and change.