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.

202. Applications of Environmental and Organismal Biology
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.
Historical and recent development of ideas about behavior, ecological, and evolutionary processes. Critical evaluation of the use and misuse of human understanding of nature, emphasizing recent findings.

204. Applications of Biomedical Sciences
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.
Historical and recent development of knowledge about cellular developmental or genetic processes. Critical evaluation of the use and misuse of scientific discoveries in these areas.

206L. Applications of Biomedical Science Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 202 concurrently.
Problem solving activities based on observation and analysis of empirically derived data from environmental and organismal biology.

208L. Applications of Environmental and Organismal Biology Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 202 concurrently.
Problem solving activities based on observation and anaysis of empirically derived data from environmental and organismal biology.

206. 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 STT 200 or STT 201 or concurrently or designated score on mathematics placement test.
Concepts of reality through physical science. The interaction of physics, chemistry, and biology. 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.

208L. Applications of Environmental and Organismal Biology Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 202 concurrently.
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 124 or MTH 201 or STT 200 or STT 201 or concurrently or designated score on mathematics placement test.

206L. Visions of the Universe Laboratory
Fall, Spring, Summer. 1 credit.
C: ISP 202 concurrently.
Observations of the sky, laboratory experiments, and computer simulations exploring the development of the modern conception of the universe.

207. World of Chemistry
Fall, Spring, Summer. 3(3-0)
P: MTH 110 or MTH 116 or MTH 120 or MTH 124 or MTH 201 or STT 200 or STT 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 detergents.

209. 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 STT 200 or STT 201 or concurrently or designated score on mathematics placement test.
Laws of physics through demonstration and analysis 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 207 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 STT 200 or STT 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.

210. 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 of human societies, 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
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.
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
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.

320. World Urban Systems
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.

325. War and Revolution
Fall, Spring, Summer. 4(4-0)
P: One 200-level ISS course.

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

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

ITALIAN — Descriptions of Courses

ITALIAN

Department of Romance and Classical Languages
College of Arts and Letters

101. Elementary Italian I
Fall, Spring, 4(4-1)
P: No previous experience in Italian or approval of department. Practice in using and understanding Italian to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.

102. Elementary Italian II
Fall, Spring, 4(4-1)
P: ITL 101 or approval of department. Further practice in using and understanding Italian to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.

201. Second-Year Italian I
Fall, 4(4-0)
P: ITL 102 or approval of department. Intermediate-level review and development of aural comprehension, speaking, reading, and writing skills. Topics in Italian culture.

202. Second-Year Italian II
Spring, 4(4-0)
P: ITL 201
Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in Italian culture.

290. Independent Study
Fall, Spring, 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.
P: Approval of department. Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

320. Advanced Grammar and Composition
Fall, 3(3-0)
P: ITL 202
Composition in a variety of styles and modes. Review of grammar. Extensive practice in writing.

330. Italian Culture and Civilization
Spring, 3(3-0)
P: ITL 202
Diverse aspects of political, social, economic, intellectual, artistic, and literary life of Italy. Class discussion in Italian of readings, films, television programs, and musical selections.

340. Phonetics and History of the Italian Language
Spring, odd-numbered years, 3(3-0)
P: ITL 330
Phonetic description of the sound system to improve pronunciation and spoken Italian. Historical, linguistic, and cultural issues which influenced the development of modern Italian.