Descriptions—Integrative Studies in Physical Science of Courses

205L. Visions of the Universe Laboratory
Fall, Spring, Summer. 1(0-2) C: ISP 205 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 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(0-2) 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 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(0-2) C: ISP 209 concurrently.
Physical phenomena: optics, mechanical systems and electromagnetics.

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 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.

215. The Science of Sound
Fall, Spring. 3(3-0) P: (MTH 104 or concurrently or MTH 110 or concurrently or MTH 116 or concurrently or MTH 120 or concurrently or MTH 124 or concurrently or MTH 201 or concurrently or STT 200 or concurrently or STT 201 concurrently) Designated score on Mathematics placement test. Not open to students with credit in TCC 321.
The science behind sound. Speech, communication, musical instruments, room acoustics, and analogue and digital audio. Integrating the physical, physiological, and psychological principles involved.

INTEGRATIVE STUDIES IN SOCIAL, BEHAVIORAL AND ECONOMIC SCIENCES

Center for Integrative Studies in Social Science
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)
Evolutionary, ecological, 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: (ISS 210 or ISS 215 or ISS 220 or ISS 225)
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: (ISS 210 or ISS 215 or ISS 220 or ISS 225)

320. World Urban Systems (I)
Fall, Spring, Summer. 4(4-0) P: (ISS 210 or ISS 215 or ISS 220 or ISS 225)
Patterns of urbanization in various areas of the world over time. Linkages within and between urban centers. Economic, political and social/behavioral accommodation and adaptation to urban growth and change.

325. War and Revolution (I)
Fall, Spring, Summer. 4(4-0) P: (ISS 210 or ISS 215 or ISS 220 or ISS 225)

330A. Africa: Social Science Perspectives (I)
Fall, Spring, Summer. 4(4-0) P: (ISS 210 or ISS 215 or ISS 220 or ISS 225)
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: (ISS 210 or ISS 215 or ISS 220 or ISS 225)
Comparative study of geography, cultures, politics, and economies of Asia. Diversity and change.

335. National Diversity and Change: United States (N)
Fall, Spring, Summer. 4(4-0) P: (ISS 210 or ISS 215 or ISS 220 or ISS 225)
Racial, ethnic, class, gender, and other forms of diversity in the United States. Systems of dominant-minority relations and forms of prejudice and discrimination. Scope of and responses to group inequalities.
SA: ISS 335A

336. Canada: Social Science Perspectives (I)
Spring. 4(4-0) P: (ISS 210 or ISS 215 or ISS 220 or ISS 225)
SA: ISS 335B

INTERNAL MEDICINE IM

Department of Internal Medicine
College of Osteopathic Medicine

590. Special Problems in Internal Medicine
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 48 credits in all enrollments for this course. R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of department. Students work under faculty direction on an experimental, theoretical, or applied problem.