This course employs a systems approach to exploring the structure and function of Earth. By studying the geosphere, hydrosphere, atmosphere, and biosphere, students learn how these systems interact in the one integrated Earth system and how human impacts affect all of these systems. In addition, students are asked to apply course concepts to their local areas and own experiences and to critically consider our species’ impact on the planet. Varied perspectives on course topics will be explored through in-class activities, videos, and individual research for required assignments in addition to through the course textbook. Class will meet weekly for 90 minutes online using a Zoom classroom. Students can expect to learn through reading; viewing; in-class and online discussion; in-class individual, small-group, and whole-group activities; eight online activities; three bi-weekly projects; and a final project.

SCI 3360. Environmental & Social History of Los Angeles. 3-4 Unit.

The place we now call Los Angeles emerged 17,000,000 years ago from the Pacific Ocean. In the intervening years, mountains forced their way up from the land forming the boundaries of a large basin. Vast quantities of water coursed down the north and south sides of mountains and hills we now call Santa Monica, Simi, Santa Susanna, San Gabriel, and Verdugo. For all but 8,000 of those years, this place and those mountains needed no name. They just were. Then came the Tongva, the Chumash, and others - the first humans to settle here. Their names for this place were various: Kaweenga, Pasheekwnga, Komiivet, to name a few. After what seems to have been 8,000 relatively peaceful years, representatives of the Spanish King arrived in an area somewhere near the confluence of the Los Angeles River and the Arroyo Seco, declared this place to be El Pueblo de Nuestra Senora la Reina de los Angeles de Porciuncula. This course examines the changes in the land going forward from that time.
SCI 3380. Feminist Interventions Into Science & Technology. 2 Units.

SCI 3410. Science of Nutrition and Health. 3-4 Unit.
The science of nutrition is a study of the processes by which an individual takes in and utilizes food. Today's American culture espouses many conflicting views on the ways nutrition affects your health and quality of life. This course introduces the science of nutrition; the basics of the relationship between diet, health, and society and its applications to daily life. It includes up-to-date coverage of the newest research and emerging issues in nutrition.

SCI 3470A. Marine Biology and Ecology. 3-4 Unit.
This course examines the ecology of the marine environment, including current issues in marine biology. It includes a study of the world's oceans with emphasis on marine organisms and ecosystems. Marine biology and ecology is the primary emphasis, with some discussion and study of relevant social and economic issues of the seas.

SCI 3480. Ecology and the Environment. 3-4 Unit.
All species of living things alter the environments in which they live. Environmental issues in today's world prove human beings are no exception. This course examines the principles of environmental science and ecology, applying them to environmental issues, in particular those relevant to Southern California and Los Angeles County. Students study ecological principles and explore environmental issues from a multidisciplinary approach - primarily environmental science, biology and ecology. Other disciplines include physical science, earth science, and history of environmental issues.

SCI 3500.LA. Prior Learning: Science. 1-5 Unit.

SCI 3510. Independent Study. 1-5 Unit.

SCI 3530. Internship. 1-5 Unit.

SCI 3560. The Science of Psychopharmacology. 3-4 Unit.
This course assists students in developing an understanding of the science behind clinical drug therapies. Students explore the mechanism of action of drugs that affect the central nervous system and learn about their entry into the brain, their molecular targets and their global effects on the brain and behavior. Basic scientific models of disease, learning and addiction are used as discussion points to discover how drug therapies are developed using the scientific method.

SCI 3860. Systems & Systems Thinking. 3-4 Unit.
This course presents principles of general systems theory and key aspects of their application in psychology, organizational units, urban development, education, and health care by analyzing the systemic nature of the human body, business, educational settings, family, and the modern city. The course develops systemic dispositions in students' personal and professional experiences by providing basic knowledge and skills essential for students to identify their lives and work environments as systems and to generate solutions for changing those environments effectively.

SCI 4340A. Contemporary Neuro-Psychology. 3-4 Unit.
This course proposes models for relating brain dysfunction and/or damage to observable empirically describable psychological behavior. Basic concepts covered are: the relationship between brain and behavior, lateralization of brain function, emotions, and the neuro-psychology of development and aging. The course also considers a number of neuro-pathologies: neuro-linguistic problems, apraxias, memory problems, and the neuro-psychology of drug abuse.

SCI 4510. Science (Independent Study). 1-5 Unit.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

SCI X4000. Science / Science Domain. 1-9 Unit.
General Education Transfer Credit Equivalency: Do not make any sections from this course.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

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