

Health Sciences Courses

Courses

HSCI 1301. Fnd. of Hlth Sci. & Hlth Promo.

Foundations of Health Science and Health Promotion (3-0) Provides information essential to understanding factors that affect human health: health determinants, health indices, health behavior change theories, ethical issues and societal trends. Investigates professional practice settings, health professions, roles and functions of health professionals and professional health organizations. Visits to community health work sites may be required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 2302. Fundamentals of Nutrition.

Fundamentals of Nutrition: [TCCN HECO 1322] Includes a study of the nutrients and their sources, their metabolic functions and effects of wellbeing and health problems; also the components of adequate diets and local, national, and world nutritional problems.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (BIOL 1305 w/C or better)

HSCI 2303. Wellness Dynamics.

Wellness Dynamics (3-0) Study of the concept of wellness and its components; self-assessment of current health status and application of course content to develop an individual lifetime plan for improvement of health and promotion of personal wellness. Course fee required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 2309. First Aid & Safety Practices.

First Aid and Safety Practices: [TCCN PHED 1306] Current practices in first aid, reaction to life threatening situations, treatment of typical minor injuries in recreational activities, safety practices, and risk management to reduce accidents. Equipment maintenance fee required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3301. Community Health.

Community Health: Study of international, national, state, and local health problems and the governmental and voluntary health agencies which deal with these problems. Incidence and prevalence of specific community health problems and diseases; solutions suggested through coordinated efforts of school, health, and welfare organizations. Field work may be required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3302. Computer Syst for Hlth Profess.

Computerized Systems for Health Professionals: Focuses upon skills and knowledge required of a professional in Health Sciences. Application of computers to gather, organize, and distribute health resources; apply computer-assisted communication techniques and computer applications in data collection, analysis, and reporting in the Health Sciences.

Department: Health Sciences

3 Credit Hours

4 Total Contact Hours

2 Lab Hours

2 Lecture Hours

0 Other Hours

HSCI 3304. Health Perspectives in Aging.

Health Perspective in Aging (3-0) Examination of the lifelong aging process (physical and emotional) and health factors affecting the elderly. Course content includes theories of aging, health maintenance and alternatives to institutionalization.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3305. Substance Use & Society.

Substance Use and Society: This course examines substance use and substance use disorders from a public health perspective, with a focus on public policy and the science of prevention, treatment, and recovery. Emphasizes the diverse roles that public health professionals play in reducing substance-related harm at individual, organizational, community, and societal levels.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3306. Environmental Health.

Environmental Health: Examination of the environment and its relationships to disease causation. Discussions on the physical, chemical, biological, and behavioral-sociological factors of man's environment. Emphasizes the principles and concepts of environmental health and environmental health hazards. Field trips may be required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3307. Death, Dying and Bereavement.

Death, Dying, and Bereavement : Concepts, attitudes, ethics, and lifestyle management related to dying, death, grief, and bereavement. The course provides in-depth knowledge of the medical, financial, physical, legal, and social implications of death and dying as related to health promotion and wellness.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3308. Disease Charc/Prevnt/Contrl.

Disease Characteristics, Prevention and Control: Study of the nature, prevention, treatment and control of common communicable and non-communicable human disease; examination of cultural, social, behavioral, biological and environmental factors involved in promoting health and preventing disease.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (BIOL 2313 w/C or better) AND (HSCI 3301 w/C or better) AND (MATH 1320 w/C or better) OR (MATH 1508 w/C or better) OR (MATH 1411 w/C or better) OR (MATH 1312 w/C or better) OR (MATH 2313 w/C or better) OR (MATH 1309 w/C or better) OR (MATH 2301 w/C or better) OR (SXDG score of 1) OR (SXMA score of 1) OR (SXMN score of 1) OR (SXOI score of 1) OR (SXTR score of 1) OR (MATH 1310 w/C or better)

HSCI 3311. Introduction to Epidemiology.

Introduction to Epidemiology: Provides health care professionals with an understanding of the health/disease process from an epidemiologic point of view and its application in public health. The course includes basic concepts of the science of epidemiology along with introductory concepts in epidemiologic research designs, data collection, and biostatistics.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (PSYC 1303 w/C or better) AND (MATH 1320 w/C or better) OR (MATH 1508 w/C or better) OR (MATH 1411 w/C or better) OR (MATH 1312 w/C or better) OR (MATH 2313 w/C or better) OR (MATH 1309 w/C or better) OR (MATH 2301 w/C or better) OR (SXDG score of 1) OR (SXMA score of 1) OR (SXMN score of 1) OR (SXOI score of 1) OR (SXTR score of 1) OR (MATH 1310 w/C or better)

HSCI 3312. Theories & Meth of Hlth Behav.

Theories and Methods of Health Behavior Change (3-0) An introduction to the issues and techniques of health behavior change. Examines various approaches of motivating and maintaining positive behavior change. Includes discussion of the major behavioral theories.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3313. Foundations of Global Health.

Foundations of Global Health

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3315. Research For The Health Prof.

Research for the Health Professional (3-0) Introduction to basic research concepts and processes which enable health professionals to use and participate in health science research. Includes associated legal, ethical and moral issues. Prerequisites: HSCI 3301 and PSYC 1303 each with a grade of "C" or better.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 3301 w/C or better) AND (PSYC 1303 w/C or better)

HSCI 3316. Community Nutrition.

Community Nutrition (3-0) Introduction to the role of nutrition in promoting, maintaining, and improving the health of the community. Includes nutritional studies of groups and community resources and programs providing nutritional services. Analysis of nutrition problems and practices in the community with emphasis on underserved populations. Development of nutrition policy and legislation and ethical and legal issues in nutrition practice. Field trips may be required. Prerequisite HSCI 2302 with a grade of "C" or better.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 2302 w/C or better)

HSCI 3317. Occupational Health & Safety.

This course addresses the importance of the role of the health care practitioner in promoting positive health and safety culture in the workplace, and although it is mainly intended for students pursuing a health related degree, its multidisciplinary approach can fit most degree plans. It introduces the student to the general principles and concepts of occupational health and safety and its application for the prevention of injury and disease, as well as the application of public health concepts for the promotion of health and protection of worker populations from environmental hazards.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3320. Selected Topics in HSCI.

Selected Topics in Health Science: Topics not included in or going beyond the regular offerings. May be repeated for credit.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 3322. Sports Nutrition.

HSCI 3322: Sports Nutrition (3-0) Focuses on the role of nutrition in physical performance of competitive and recreational sports participants. Emphasis is on athlete nutritional needs during training, before/ during/after competition, maximizing athletic performance based on fuel sources, hydration importance, analysis of ergogenic aids, athlete eating disorders, athlete meal plan analysis and nutritional advice for special populations, like adolescents and vegetarians.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 2302 w/C or better)

HSCI 3323. Nutrition Thru the Life Cycle.

HSCI 3323: Nutrition Throughout the Life Cycle (3-0) Provides a comprehensive look at the nutritional needs and changes of people in the various stages of life, such as, pregnancy and lactation, infancy, childhood, adolescence, adulthood and aging with emphasis on factors influencing normal growth and development. Prerequisite: HSCI 2302 with a grade of "C" or better.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 2302 w/C or better)

HSCI 3324. Applied Culinary Nutrition.

Applied Nutrition.

Department: Health Sciences

3 Credit Hours

5 Total Contact Hours

3 Lab Hours

2 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 2302 w/B or better)

HSCI 3395. Seminar in Global Health.

Seminar in Global Health

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 3306 w/B or better AND HSCI 3311 w/B or better AND HSCI 3312 w/B or better AND HSCI 3313 w/B or better)

HSCI 4101. Health Ed Elem SchI Teach Lab.

The Health Education for Elementary School Teachers Laboratory (0-3) focuses on the identification and study of current health concerns, principles and practice of teaching health, selection and implementation of effective instructional strategies, investigation of the coordinated school health program, curriculum development, and evaluation of instruction and the school health program. Prerequisites: Junior status and departmental approval. Restricted to majors of Education (EC-6) and Health Promotion.

Department: Health Sciences

1 Credit Hour

3 Total Contact Hours

3 Lab Hours

0 Lecture Hours

0 Other Hours

HSCI 4201. Hlth Ed for Elem Sch Teachers.

Health Education for Elementary School Teachers (1-2) This course focuses on the identification and study of current health concerns, principles and practice of teaching health; selection and implementation of effective instructional strategies; investigation of the coordinated school health program; curriculum development; and evaluation of instruction and the school health program. Prerequisites: Junior status. . .

Department: Health Sciences

2 Credit Hours

3 Total Contact Hours

2 Lab Hours

1 Lecture Hour

0 Other Hours

Corequisite(s):

HSCI 4303. Family Life & Human Sexuality.

Family Life and Human Sexuality (3-0) Study of sexuality as an aspect of health; examination of society's beliefs and attitudes; the responsibility for sexual behavior as it relates to family values.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 4304. Public Health Administration.

Public Health Administration: Study of basic principles, theories, and practices of public health administration. Emphasizes the development and organization of health programs from voluntary and official agencies to meet community health needs.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 1301 w/C or better)

HSCI 4306. Health Cnrrns of Preadol & Adol.

Health Concerns of Pre-Adolescents and Adolescents (3-0) Addresses major health problems, health risks, transitions and lifestyle choices of pre-adolescents and adolescents. Prerequisite: Junior-level status.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

HSCI 4307. Hlth Promo Plan & Implement.

Health Promotion Planning and Implementation (3-0) Explores major components of health promotion program planning and implementation. Emphasizes the utilization of various planning models and intervention strategies necessary to plan and implement health education and health promotion programs. Prerequisites: HSCI 1301.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 1301 w/C or better)

HSCI 4308. Independent Study in Health.

Independent Study in Health (0-0-3) Independent study of a designated health problem or health education issue, or trend. Prerequisite: 12 semester hours from health science core and department approval.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

HSCI 4309. Program Eval in Health Science.

Program Evaluation in Health Science (3-0) An introduction to the issues, problems, and techniques involved in evaluation of health promotion and health education programs. Prerequisites: HSCI 3315 and HSCI 4307 each with a grade of "C" or better.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 3315 w/C or better) AND (HSCI 4307 w/C or better)

HSCI 4311. Community Health Education.

Community Health Education (3-0) Emphasizes contemporary theories, methods, materials used in wellness intervention, health promotion, and health education programs in the community. Field experience required. Prerequisites: HSCI 1301.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 1301 w/C or better)

HSCI 4312. Grant Writing in Hlth Profess.

Grant Writing in Health Professions (3-0) The course addresses all aspects of grant proposal preparation and submission, including locating funding sources, formulating a budget, and developing and writing the proposal. Prerequisites: HSCI 4307 and HSCI 4309, both with grades of "C" or better.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 4307 w/C or better AND HSCI 4309 w/C or better)

HSCI 4313. Practicum I.

Practicum I: Prepare students for practicum experience (HSCI 4314) with community health agency and future professional position. This is a skills-building and applied course for knowledge and skills required in a public health practice environment. This course has an applied project-based component based on the practical needs of community agencies. A HSCI GPA of 2.70 is required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Major Restrictions:

Restricted to majors of PH

Prerequisite(s): (HSCI 4309 w/C or better)

HSCI 4314. Practicum II.

Practicum II: Individually arranged practicum with a community health agency providing a minimum of 160 hours of experience. Supervised by university faculty and personnel from the health agency. Student typically take the course in the last semester before graduation. A HSCI GPA of 2.70 is required. Background check and clinical compliance are required.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

Major Restrictions:

Restricted to majors of PH

Prerequisite(s): (HSCI 4313 w/C or better)

HSCI 4322. Nutritional Assessment.

Nutritional Assessment: Includes the study of the methods to accurately assess the nutritional status of the individual and population-wide levels and introduces the practical application of these concepts in health and disease throughout the lifecycle. The course incorporates components of a comprehensive nutritional assessment including anthropometry, dietary, biochemical, and clinical assessment. Students will learn a variety of assessment methods, their strengths and limitations, as well as the tools to evaluate and interpret assessment data.

Department: Health Sciences

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

Prerequisite(s): (HSCI 2302 w/C or better)

HSCI 4600. Practicum in Community Health.

Individually arranged practicum with a community health agency providing a minimum of 320 hours of experience and 15 hours of seminar. Supervised by university faculty and personnel from the health agency. Students typically take the course in the last semester before graduation. Prerequisites: HSCI 4307, HSCI 4309, and HSCI 4311; 12 additional hours of health science courses; HSCI GPA of 2.7 or better, and departmental approval.

Department: Health Sciences

6 Credit Hours

21 Total Contact Hours

0 Lab Hours

1 Lecture Hour

20 Other Hours

Prerequisite(s): (HSCI 4307 w/C or better) AND (HSCI 4309 w/C or better) AND (HSCI 4311 w/C or better)