

Health Sciences (H SC) Course Description

313 Health Disparities (2)

Course Pre-requisites: ENG 128, HSC 319, 375 or Consent of Chairperson

This course explores the role of race and ethnicity in relationship to health care access and quality of care; social factors contributing to mortality, longevity, and life expectancy; access and utilization of health services; theoretical framework for the development of policy and interventions to address disparities in health related outcomes.

314 Entrepreneurship in Health Care (3)

Course Prerequisites: ENG 128, HSC 319, 375, or Consent of Chairperson

This course provides the students with the basic strategies and tools for entrepreneurial management with a focus on the health care industry.

315 Health Behavior (3)

Course Prerequisites: ENG 128, ANTH or SOC 101, PSY 141, Consent of Chairperson

This course provides the fundamental concepts in social-behavioral sciences and health; social behavioral sciences factors identified as causes and antecedents to health; mechanisms for changes in health as well as outcomes of health interventions; prevailing health behavior change concepts and models; and methods for developing, implementing and evaluating health behavior interventions.

316 Medical Science (3)

Course Prerequisites: ENG 128, BIO 220/BIO221, ZOOL 250/PSLY 204, PSYC 217/204 or Consent of Chairperson

This course provides the disease processes and functional disorders and their anatomical substrates. Major emphasis will be on the cardiovascular, neuromuscular and skeletal systems. Management of patients with medical, pediatric, psychiatric, orthopedic and neurological diagnosis will be presented.

317 Health Promotion (3)

Course Prerequisites: ENG 128, College biology, SPCH 113/203/221 or Consent of Chairperson

This course provides an overview of major health behavior models and theories that guide health promotion interventions. It will cover known threats to health, classic studies, examples of intervention strategies and issues in planning and evaluation of intervention programs.

318 Basic Epidemiology for Health Care Professionals (3)

Course Prerequisites: ENG 128, College Biology, or Consent of Chairperson

This introductory course explores the distribution and patterns of health events in populations and the determinants that influence those patterns; epidemiological concepts, methods and tools epidemiologists use to study the distribution of health in populations as applied to both clinical and public health settings.

319 Introduction to Public Health (3)

Course Prerequisites: ENG 128, College Biology, or Consent of Chairperson

This course is an introduction to public health practice as a scientific discipline. It provides an understanding of the various approaches to public health practice; public health stakeholders; determinants of public health and the role of local, state and federal public health agencies in protecting the community's health; ecological overview of the collaboration by local, state, federal and international public health agencies to assure a healthy global community.

321 Service Learning in Health (2)

Lecture and Practicum. Requires 45 clock hours of service experience /5
Course Pre-requisites: ENG 128, College biology, or Consent of Chairperson

This course provides the link between theory and practice in authentic settings. The course expands the walls of the traditional classroom, providing opportunities for active and cooperative learning, interdisciplinary projects, and multicultural experiences grounded in local community issues that enliven the teaching/learning processes.

322 Research Methods (3)

Course Prerequisites: ENG 128, PSYC 231/357 or MATH 210 or Consent of Chairperson

This course is an introduction to the principles and strategies of scientific research in the health professions. The course covers the fundamentals of defining a research problem, designing a study, measuring variables, selecting a sample, analyzing data and critiquing published research.

HSC 323 Introduction to Environmental Health (3)

Course Prerequisites: ENG 128, College Biology, PHS 100/101/110, CHEM 105/155, or Consent of Chairperson

This course covers various aspects of human health, including quality of life that are impacted by physical, chemical, biological, social, and psychological factors in the environment; theory and practice of assessing, correcting, controlling, and preventing those factors in the environment that adversely affect the health of present and future generations; ecosystems interactions, biological and chemical toxins in the general environment and relevant environmental regulations.

324 Program Planning for Health Education and Promotion (3)

Course Prerequisites: ENG 128, HSC 317, 375 or Consent of Chairperson

This course explores how to evaluate programmatic health needs and resources necessary for effective service delivery; planning and development of service centered programs for populations across the health and illness continuum.

325 Community Health Practicum (6)
The practicum requires 360 clock hours of on-the-job experience

Course Prerequisites: HSC 321: Service Learning in Health. The student must have satisfactorily completed all coursework in the Basic and Medical Sciences.

The community health practicum is an integral part of the professional education which complements and support the learning process in the classroom. The experience provides the student with an opportunity to apply knowledge and skills in a variety of work situations and to test new approaches and techniques in solving problems. The

practicum is a meaningful learning experience that contributes positively to the student's professional development.

HSC 326 Aging and Health (3)

Course Pre-requisites: ENG 128, College Biology, SPCH 113/203/221 or Consent of Chairperson

This course provides an overview of the external and internal factors influencing the health status of older persons. Emphasis on the implications for health care practitioners.

HSC 327 Bioterrorism and Health (3)

Course Pre-requisites: ENG 128, College Biology or Consent of Chairperson

This course explores the impact of bioterrorism on health. It presents the various biological agents that can affect the quality of life and well-being of populations. It highlights illnesses and diseases that may be caused by biological agents and provides interventions to promote health and prevent complications.

HSC 328 Current Trends in International Health (3)

Course Prerequisites: ENG 128, College Biology, ANTH or SOC 101 or Consent of Chairperson

This course covers the major trends and issues in international health and the interaction of these trends and issues with governments and international organizations. The course explores the social determinants of health; the organization of health (care) systems, health care financing, international health agencies and development; politics, globalization and health; and the public role in international health policy-making.