Health

Department of Health Sciences

GTH 100. Personal Wellness. 3 credits. Offered fall, spring and summer.

An introduction to community health including its foundations, the tools of community health such as epidemiology, community organization, disease control and health promotion. The course focuses on the populations, settings and special issues of community health. Prerequisite: GTH 100.

HTH 230. Community Health. 3 credits. Offered fall and spring.

A survey of the drug alcohol topics include pharmacological effects, patterns of use, potential for abuse, treatment programs and prevention of alcohol abuse and alcoholism.

HTH 252. Sexually Related Diseases. 1 credit.

Sexually transmitted diseases and other sexual system problems (breast and testicular cancer), nonvenerereal diseases, chromosomal anomalies, sexual disorders of the genitalia and urinary system problems.

HTH 270. Personal Health Promotion. 3 credits.

A survey of principles for the promotion of optimum individual, family and community health through intelligent self-direction of health behavior. Topics include the physical, mental and social dimension of health economics, disease control, human sexuality, chemical abuse, injury control, and nutrition.

HTH 278. Alcohol: Use and Abuse. 1 credit.

Survey of the drug alcohol topics include pharmacological effects, patterns of use, potential for abuse, treatment programs and prevention of alcohol abuse and alcoholism.

HTH 300. Medical Terminology. 3 credits. Offered fall and spring.

Study of terms that relate to body systems, anatomical structures, medical processes and procedures, and a variety of diseases disorders that afflict human organisms.

HTH 308. Therapeutic Assessment. 3 credits. Offered spring.

The purpose of this course is to present an overview of established and current knowledge in the major content areas of physiology by examining the impact of work and the working environment on human body systems as they relate to health and wellness. Prerequisite: BIO 290.

HTH/KIN 312. The Profession of Teaching Health & Physical Education. 2 credits. Offered fall and spring.

Introductory study of the roles of the teacher and the learner and the pedagogical content knowledge of health and physical education. An in-depth examination of the unique position and qualifications of the specialist in physical education and health. Systematic observations will occur. Prerequisite: Admission to teacher education.

HTH/HHS/NSG/SOWK 314. Rural Health: An Interdisciplinary Approach. 3 credits. Offered May.

Students study, observe and participate in interdisciplinary assessment, planning and delivery of community-based primary health care in partnership with residents and agencies of a host rural county. Learning activities will emphasize rural culture, rural health care and interdisciplinary practice.

HTH 320. Statistical Methods for Health Science Research. 3 credits.

Offered fall and spring.

This course reviews statistical concepts and techniques with special reference to their relation to health science applications and issues. It also reinforces the logical processes associated with statistical decision making, again with particular reference to health and medical research methods. Prerequisites: MATH 220 and HTH 354.

HTH 330. Introduction to Human Disease. 3 credits. Offered fall and spring.

An overview of the incidence, prevalence, causation, and prevention of the major chronic and infectious diseases which are currently of concern in the twenty-first century. Major signs and symptoms of the diseases as well as treatment will be reviewed. The course will also cover the body's defense system and the principles of disease occurrence. Prerequisite: HTH 230.

HTH 351. Health Behavior Change. 3 credits. Offered fall and spring.

Factors which influence health behavior and characteristics of these individuals and groups. Analysis of previous programs designed to change these behaviors and the formulation of new health modification programs included. Prerequisites: HTH 230 and upper division senior health sciences major or permission of instructor.

HTH 352. Environmental Health. 3 credits. Offered fall and spring.

An investigation of environmental factors and their effects on the health of the individual, community and society. Prerequisite: HTH 230.

HTH 354. U.S. Health Care System. 3 credits. Offered fall and spring.

This course examines the structure and organization of the health care delivery system in the United States. The components, functions, financing and resources of this system are described.

HTH 355. HIV/AIDS: A Global Perspective. 1 credit. Offered fall and spring.

Discussion includes theories of origins, statistics and characteristics of the causative pathogen, incubation, illness patterns, transmission, prevention and treatment of AIDS and other STDs. AIDS and other STDs in relation to prisons, children, schools, global concerns, health care systems and legal factors will be considered.

HTH 357. Coping with Stress. 1 credit. Offered fall and spring.

Identifying causes and personal symptoms associated with stress and individual methods of handling stress.

HTH 368. International Health and Nutrition Studies. 3 credits.

This course involves participation with an interdisciplinatory team which will travel outside of the United States to observe and experience the health care challenges in a developing nation.

HTH 370. Child and Adolescent Health. 3 credits. Offered fall and spring.

This course will discuss the CDC priority health risk categories and the Healthy People 2010 Objectives for the Nation as they relate to child and adolescent health. In addition, the CDC model for Coordinated School Health Programs will be explored to determine specific strategies for health improvement. Prerequisite: HTH 230; restricted to PHETE or health sciences majors.

HTH 371. Behavior Health and Children and Adolescents. 3 credits. Offered spring.

This course will review the current health status and health risk behaviors of children and adolescents. It will focus on epidemiological trends and behavioral and social etiological factors. In addition, this course will include an overview of the theoretical approaches to children and adolescent health behavior. Application of theory will be made to the development of strategies for health promotion and interventions to reduce specific health problems for children and adolescents that would be appropriate for teachers and schools. Prerequisite: Admission to the PHETE program.

HTH 372. Human Sexuality. 3 credits. Offered fall and spring.

An in-depth study of sexuality across the lifespan. Emphasis is placed on the development of sexuality with attention given to the psychological, physiological, ethical and socio-cultural implications. Prerequisite: HTH 230.

HTH 375. Pregnancy Control and Abortion. 1 credit.

An in-depth study of four areas concerning the following sexual aspects of living: contraception, abortion, sterilization and fertility-enhancing methods. The biochemical, physiological, legal, cultural and ethical aspects are considered.

HTH 378. The Use and Effects of Drugs. 3 credits. Offered fall and spring.

A study of the use and pharmaceutical properties of popular legal and illegal drugs and their effects on the health of individuals and society. Prerequisite: HTH 230.
HTH 389. Practicum in Health Education. 1-3 credits. [Fall and spring.]
Selected practicum experiences which provide students with supervised practical experiences.

HTH 390. Selected Topics in Health Science. 1-3 credits. [Fall and spring.]
Study of selected topics in health science. Consult MyMadison for specific topics. May be repeated for credit when course content changes.

HTH 402. Topics in Health Education III. 3 credits. [Every other spring.]
An overview of selected topics in health content required for students preparing to teach health in public schools. Selected topics will include addictions, alcohol, tobacco, drug use and abuse, safety, nutrition and weight management in children, immunity, and prevention and control of infectious and chronic diseases. Special emphasis will be on issues relevant to teaching these topics in schools. Prerequisite: Admission to the PHETE program.

HTH 403. Topics in Health Education IV. 3 credits. [Every other spring.]
An overview of selected topics required for students preparing to teach health in public schools. Selected topics include consumer health, environmental health, mental-emotional health, personal health, aging, and death and dying. Special emphasis will be on issues relevant to teaching these topics in schools. Prerequisite: Admission to the PHETE program.

HTH 407. Health Education Facilitation/Synthesis. 2 credits. [Fall and spring.]
Students apply health knowledge by identifying needs, designing and facilitating programs in various settings on pertinent topics. These topics include sexual health, STD/HIV prevention, eating disorders, stress management, sexual assault and alcohol/drug abuse. Upon completion of all course requirements, students will be certified as a Certified Peer Educator (CPE). Prerequisite: Permission of instructor.

HTH 408. Health Research Methods. 3 credits. [Fall and spring.]
This course will present an overview of research methods within public health, emphasizing the steps involved in the research process. Methodological issues covered will include the ethics of health studies research, qualitative and quantitative research designs, operationalization of concepts, measurement of variables, and techniques of sampling, data collection and analysis. Prerequisites: MATH 220, HTH 230 and senior health sciences major or permission of instructor.

HTH 409. Therapeutic Interaction. 3 credits. [Summer.]
This course focuses on the fundamental aspects of the therapeutic process, small group dynamics and understanding professional relationships in occupational therapy practice. Students will investigate concepts, attitudes and behavioral strategies that will support effective professional communication. They will also investigate inter- and intra-personal strategies that facilitate collaborative relationships as an occupational therapist in health or service provision. Prerequisites: Admission to the occupational studies concentration and successful completion of all previous concentration course work.

HTH 423. Contemporary Health Issues. 3 credits. [Fall and spring.]
This course will provide an overview of the leading health indicators and contemporary health issues based upon the Healthy People 2010 and 2020 initiatives from the US Department of Health and Human Services. Topics of discussion will include health care and ethical issues such as community, consumer and environmental health issues; focusing on the interaction between psychological, sociological, political and environmental factors. Prerequisite: HTH 230.

HTH 424. Occupational Development Through the Lifespan. 3 credits. [Summer.]
The fundamental aspect of occupational development that occurs throughout life is examined. Interactions between the individual and the environment across the several domains of occupation are explored. Acquisition of values, roles, habits, temporal adaptation and interests during each developmental stage are reviewed. Prerequisites: Admission to occupational studies concentration and successful completion of all previous concentration course work.

HTH 431. Human Occupation and the Foundations of the Profession. 3 credits. [Summer.]
The relationship between human behavior and occupation is examined. Issues important to occupational engagement are explored and linked to occupational science and the occupational therapy profession. Prerequisite: Admission to the occupational studies concentration and successful completion of all previous concentration course work.

HTH 435. Level I Fieldwork One. 1 credit. [Spring.]
The course offers an opportunity to develop clinical skills in health and human service programs serving pediatric and adolescent clients. This experience will link knowledge and skills developed in didactic course work with a clinical environment. Prerequisite: Admission to the occupational studies concentration and successful completion of all previous concentration course work.

HTH 441/KIN 407. Rehabilitative Biomechanics. 3 credits. [Fall and spring.]
This course is designed to introduce the student to a variety of biomechanical concepts and applications as related to the health professions. Specific attention will be given to the biomechanical aspects of the musculoskeletal system. Prerequisite: KIN 220.

HTH 442. Chronic Diseases. 3 credits. [Fall.]
This course examines the pathophysiological effects of chronic diseases on health and well being. Discussions include various strategies which improve the functional status and health of individuals at risk. Prerequisite: HTH 306 or KIN 302 and KIN 302L.

HTH 445. The Occupational Therapy Process. 3 credits. [Summer.]
This course is designed from an occupational therapy process is examined from assessing an occupational profile to focusing on engagement in occupation to achieve desired outcomes. Methods of assessment are studied as a defining step in the therapeutic process. Goal development, intervention strategies and documentation are also addressed. Prerequisite: Admission to the occupational studies concentration and successful completion of all previous concentration course work.

HTH 450. Epidemiology. 3 credits. [Fall and spring.]
A study of the causation and prevention of the major diseases that affect the quality of an individual’s life. Practical skills utilized by practicing epidemiologists are emphasized. Prerequisites: HTH 230 and senior health sciences major or permission of instructor.

HTH 453. Public Health Education Methods. 3 credits. [Fall.]
This course is designed for public health education students to develop competencies necessary for working in community and public health settings. Presentation skills, developing print, computer and Internet materials, facilitating groups and coalitions, and advocacy are some of the topics covered. Prerequisites: HTH 230, HTH 451 and senior public health education concentration students or permission of instructor.

HTH 458. Health Program Planning and Evaluation. 3 credits. [Fall and spring.]
This course introduces students to the principles and techniques employed to plan, implement and evaluate health promotion programs. Students will conduct a campus or community event and compile a formal report. Prerequisites: HTH 230, HSA 358 or HTH 451 and senior health education concentration students or permission of instructor.

HTH 460. Sensorimotor Foundations of Occupation. 3 credits. [Fall.]
The importance of sensory processing and motor response and the impact on behavior, movement and occupational engagement are examined. Normal and abnormal sensorimotor function is presented with specific emphasis on how dysfunction impacts upon performance in the domains of occupation. Prerequisite: Admission to the occupational studies concentration and successful completion of all previous concentration course work.

HTH 461. Therapeutic Media in Occupational Therapy. 2 credits. [Fall.]
This course examines the use of various forms of media used in occupational therapy practice. An understanding of the importance of media and its impact on the history and philosophical base of the profession will be addressed. The ability to grade and analyze activities relative to areas of occupation, performance skills, performance patters, activity demands, context(s) and client factors in presented. A focus on developing the ability to adapt tasks for individuals who require a compensatory approach will be examined. Prerequisite: Admission to the occupational studies concentration and successful completion of all previous concentration course work.

HTH 470. Instructional Methods in Health Education. 4 credits. [Fall and spring.]
An overview and application of methods for teaching health in the schools. Students will develop skills in planning, instructional methods and classroom management. Micro-teaching experiences and a practicum in the schools are incorporated into this course to provide for the application and practice of material and skills learned. Prerequisite: Admission into teacher education.

HTH 471. Health Aspects of Gerontology. 3 credits. [Fall and spring.]
Promotion of health in the aged; physiological aspects of the aging process; community, state and federal health programs, and services for the aged.

HTH 472. Family Life Education for Teachers. 2 credits. [Summer.]
This course will present an overview of issues affecting the sexual health of children and youth. A variety of family life education curricula will be discussed, however, the approved Virginia Department of Education curriculum will be examined and students will be trained in implementing and evaluating its various modules.
HSA 358. Health Administration. 3 credits. (Offered fall). This course provides an introduction to management functions, tasks and roles as they are carried out in health services organizations. Discussion of emerging issues affecting the management of health services organizations is provided. This course uses the case method of analysis to develop critical thinking skills. Prerequisite: HTH 354 or permission of the instructor.

HSA 360. Health Care Marketing. 3 credits. (Offered fall). This course introduces the role, functions and tasks of health care marketing. Attention is devoted to understanding basic marketing principles; using oral, written and visual electronic communications media; and developing marketing plans for health care organizations.

HSA 363. Health Economics. 3 credits. (Offered fall). This course explains how economic forces affect the health service sector and how economic tools can be used to assess and improve health industry performance. Efficiency and equity trade-offs are considered. Prerequisite: ECON 201 or equivalent and HTH 320.

HSA 365. Values in Health Care. 3 credits. (Offered fall and spring). This course provides an overview of health ethics and health law for students majoring in health sciences. Students will address the major principles facing a health service professional in the delivery of health services. Particular attention will be paid to development of methodologies for ethical decision-making. Prerequisite: HTH 354 or permission of instructor.

HSA 367. Comparative International Health Systems. 3 credits. (Offered spring every other year). This course concentrates on various approaches used to provide public and personal health services around the world. Strengths and weaknesses of different health care systems in terms of availability, accessibility, cost effectiveness, continuity and quality of services will be considered. Prerequisite: HTH 354.

HSA 385. Health Services Administration Career Seminar. 1 credit. (Offered fall and spring). This course is a career development seminar for health services administration students. An array of health administrators from varied health care organizations helps expand students’ understanding of the health administration field. This course is designed for junior-level students with an expectation of a major concentration in health services administration.

HSA 452. Hospital Organization and Administration. 3 credits. (Offered spring). This course examines the organization and operation of community hospitals in the U.S. Specific attention is devoted to management’s role in internal operations and in external relationships with the community and other stakeholders. Discussion of emerging issues affecting the management of hospitals and hospital systems is provided. Prerequisites: HTH 354 and HSA 358 or permission of the instructor.

HSA 454. Internship in Health Organizations. 3 credits. (Offered spring and summer). Full-time directed field experience in a health organization. Opportunity provided to work in an appropriate setting. Student furnishes off-campus living and traveling expenses. Prerequisites: Permission of the instructor and a 2.5 GPA.

HSA 455. Long Term Care Organization and Administration. 3 credits. (Offered spring). This course provides an in-depth examination of the organization and administration of long term care programs: nursing homes, home health services, adult daycare, assisted living and hospice. This course is recommended for students planning careers in long term care. Prerequisites: HTH 354, HSA 358 and GERN 280 or permission of the instructor.

HSA 456. Ambulatory Care Services: Organization and Administration. 3 credits. (Offered fall). This course provides an in-depth examination of the staffing, organization, budgeting and administration of ambulatory services including medical group practices, community and hospital-based clinics, and ambulatory surgery centers. This course is recommended for students planning administrative careers in this area with a foundation in health services administration. Prerequisite: HTH 354, HSA 358 or permission of the instructor.

HSA 462. Managed Care. 3 credits. (Offered spring). The growing influence of managed health care on the organization and delivery of health services in the United States is addressed in this course. Structural and operational characteristics of managed care organizations and plans, including HMOs, PPOs and other plans are explored, as are the implications of managed care plans for the management of hospitals and other health care organizations. Prerequisite: HSA 358 or permission of the instructor.

HSA 463. Quality Management in Health Care. 3 credits. (Offered spring). This course examines the quality management function required in diverse health care organizations. The student is exposed to definitions...