

# HEALTH AND HUMAN SCIENCES (HHS)

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## **HHS 231. \*LIFETIME FITNESS FOR HEALTH. (2 Credits)**

Provides up-to-date and relevant health and wellness information; practical strategies to implement positive behavior change in physical activity, nutrition, and stress management throughout college and the lifespan. (Bacc Core Course)

**Attributes:** CSFT – Core, Skills, Fitness

**Equivalent to:** HHS 231H

## **HHS 231H. \*LIFETIME FITNESS FOR HEALTH. (2 Credits)**

Provides up-to-date and relevant health and wellness information; practical strategies to implement positive behavior change in physical activity, nutrition, and stress management throughout college and the lifespan. (Bacc Core Course)

**Attributes:** CSFT – Core, Skills, Fitness; HNRS – Honors Course Designator

**Equivalent to:** HHS 231

## **HHS 241. \*LIFETIME FITNESS. (1 Credit)**

Assessment, evaluation and practice of physical fitness and health behaviors leading to the development of a personal fitness program. (Bacc Core Course)

**Attributes:** CSFT – Core, Skills, Fitness

## **HHS 513. INTEGRATED APPROACH TO PUBLIC HEALTH I. (6 Credits)**

An integrated approach to introduce students to the core knowledge and methods used in public health, including evidence-based approaches to public health, public health and health care systems, planning and management to promote health, and policy in public health. This course is the first of a two-part course sequence.

## **HHS 514. INTEGRATED APPROACH TO PUBLIC HEALTH II. (6 Credits)**

An integrated approach to introduce students to the core knowledge and methods used in public health, including: evidence-based approaches to public health; public health and health care systems; planning and management to promote health; and policy in public health. This course is the second of a two part course sequence.

**Prerequisites:** HHS 513 with B- or better

## **HHS 517. CASE STUDIES IN PUBLIC HEALTH PRACTICE. (3 Credits)**

Case-based learning to illustrate the complexity of public health issues and to demonstrate the need for integrated approaches for developing and implementing successful strategies in public health practice. Students will apply a wide range of knowledge and skills essential to public health practice that relate to outbreak investigation, policy analysis, regulatory decision-making, ethics, program development, program evaluation, research synthesis, screening programs, working with stakeholders, health risk communication, and disaster preparedness.

**Prerequisites:** H 513 with B- or better or HHS 514 with B- or better

## **HHS 526. LINEAR REGRESSION IN PUBLIC HEALTH. (2 Credits)**

Biostatistical tools for scientific applications in public health using linear regression analysis. Confounding, effect modification, variable selection, assessing model fit, observational studies, and exploratory data analysis. Emphasis on the use of statistical packages for analyzing public health data.

**Prerequisites:** H 524 with B- or better

*This course is repeatable for 4 credits.*

## **HHS 527. LOGISTIC REGRESSION IN PUBLIC HEALTH. (2 Credits)**

Biostatistical tools for scientific applications in public health using logistic regression analysis. Confounding, effect modification, variable selection, assessing model fit, exploratory data analysis, and observational studies. Emphasis on the use of statistical packages for analyzing public health data.

**Prerequisites:** H 524 with B- or better

## **HHS 537. EVIDENCE-BASED LEADERSHIP IN PUBLIC HEALTH. (3 Credits)**

Examines how collaboration differs from working together, and offer opportunities to develop skills for successful and effective group functioning. Students will be challenged to examine personal strengths (and the strengths of others) as they relate to leadership and followership. Explores evidence-based management – identifying and using organizational and scientific data in decision making.

**Prerequisites:** H 536 with B- or better

## **HHS 550. COMMUNICATING FOR PUBLIC HEALTH POLICY IMPACT. (3 Credits)**

Successful public health professionals communicate clearly and in compelling ways with non-scientific audiences. In this hands-on course, the theory and practice of effective public health communication will be explored, with a focus on advancing a public health policy. Through a selected public health policy topic, students will develop and enhance skills in planning and implementing impactful public health communications, including message development, data visualization, media interviewing, engaging through social media and presenting to policymakers. Professionals in the field, including those in legislative and media roles, will share examples of effective communication and provide constructive feedback on students' work.

## **HHS 578. EVIDENCE-BASED PUBLIC HEALTH I. (3 Credits)**

Evidence-based public health is the process of integrating science-based interventions with community preferences to improve the health of populations. This is the first in a two-course series and provides theoretical and practical bases to identify, implement and evaluate evidence-based research (i.e. programs, surveillance, policies). Students will develop skills to select and adapt evidence-based public health programming for a specific community and/or population.

**Prerequisites:** H 513 with B- or better or HHS 514 with B- or better

## **HHS 579. EVIDENCE-BASED PUBLIC HEALTH II. (3 Credits)**

Evidence-based public health is the process of integrating science-based interventions with community preferences to improve the health of populations. This is the second in a two-course series. This course applies science and adaptation frameworks learned in the first course to the development of a program plan. This course provides instruction and application of program planning and program evaluation frameworks. Course learning is synthesized through the development of a grant proposal for adapted public-health program plus evaluation plan.

**Prerequisites:** HHS 575 with B- or better and HHS 578 [B-]

## **HHS 584. SURVEILLANCE AND FIELD EPIDEMIOLOGY FOR PUBLIC HEALTH. (3 Credits)**

A review of public health surveillance systems, and the continuum of communicable disease surveillance into field epidemiology and other responses to identified events.

**Prerequisites:** H 524 with B- or better or HHS 514 with B- or better

**HHS 590. PUBLIC HEALTH LAW. (2 Credits)**

Explores the use of law and policy tools to promote access to health and healthy living conditions. Examines the legal powers and duties of government at the federal, state, and local levels to ensure the conditions required for people to be healthy. Discussion of individual rights as limitations on the power of the government to act in furtherance of public health goals.

**Prerequisites:** H 513 with B- or better or HHS 514 with B- or better

**HHS 597. GLOBAL HEALTH SYSTEMS. (3 Credits)**

Explores key components of global health systems, using case studies of institutions, processes, and health outcomes.