

Health Science - CPS (HSC)

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HSC 1200. Nutrition. (3 Hours)

Explores the fundamental role of nutrition in promoting health, wellness, and prevention of chronic disease. Topics include nutrients and nutritional needs across the life span; food safety and security; body weight regulation; and the genetic, social, and environmental influences on food choices and nutrition status.

Attribute(s): NUpath Natural/Designed World

HSC 1990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSC 2990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSC 3300. Epidemiology. (3 Hours)

Introduces the principles, concepts, and methods of population-based epidemiology—the study of patterns and determinants of disease in different populations. Topics include the dynamic behavior of disease; measures of disease frequency and effect; uses of rates, proportions, and other statistics to describe the health of populations; epidemiologic study designs; and bias in investigating the extent of disease problems and the associations between risk factors and disease outcomes.

Prerequisite(s): MTH 2300 with a minimum grade of D- or MTH 2310 with a minimum grade of D- or MTH 3300 with a minimum grade of D-

Attribute(s): NUpath Analyzing/Using Data, NUpath Writing Intensive

HSC 3310. Pathophysiology. (3 Hours)

Examines human physiology related to oxygenation, nutrition, elimination, protective mechanisms, neurological functions, endocrine functions, and skin integrity. Topics include neurophysiology; immunology; cardiovascular, respiratory, renal, and gastrointestinal physiology; and endocrinology. Explores how the human body uses its adaptive powers to maintain equilibrium and how alterations affect normal processes.

Prerequisite(s): BIO 1200 with a minimum grade of D- ; BIO 1201 with a minimum grade of D-

HSC 3320. Pharmacology. (3 Hours)

Offers the fundamentals of pharmacology to students entering the health professions. Topics include the general principles of drug action, drug distribution, and drug elimination. Focuses on principles of pharmacology and the major drug classifications in relation to the treatment of health problems. Emphasizes dose response, side effects/drug interactions, route of administration, and place in clinical therapy. Drugs are presented according to therapeutic or functional classification.

Prerequisite(s): CHM 1200 with a minimum grade of D- ; CHM 1201 with a minimum grade of D-

HSC 3990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSC 4850. Project in Health Science. (3 Hours)

Offers students an opportunity to integrate knowledge gained in the classroom with real-world problems. Students initiate and design a capstone project in health science in consultation with faculty and working professionals.

Prerequisite(s): HSC 3300 with a minimum grade of D-

Attribute(s): NUpath Capstone Experience, NUpath Writing Intensive

HSC 4955. Project. (1-4 Hours)

Focuses on in-depth project in which a student conducts research or produces a product related to the student's major field. May be repeated without limit.

HSC 4990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.