

HSC - GENERAL HEALTH SCIENCE

HSC 1033 Anatomy and Physiology (3-1-3)

Designed to build upon concepts covered in the Human Biology course.

The aim is to extend the students understanding of the workings of the body systems and the communication processes required to coordinate their activities. Topics covered will be the structure and function of the following systems: endocrine, nervous, integumentary, cardiovascular and respiratory, immune, urinary and reproductive.

Prerequisites: HSC 1013 or HSC 1103 or LSN 1103

HSC 1043 Biochemistry for Health Sciences (3-1-3)

This course provides health sciences students with a thorough background of structural, functional and clinical biochemistry and covers the basic concepts required for understanding physiological, metabolic, and pathologic health conditions. It aims to explore the principles, structures, functions and metabolism of essential biological macromolecules such as carbohydrate, lipids, and protein. It also seeks to illustrate the main structure and role of enzymes in hemostasis and presents the structure and function of micronutrients. The course correlating clinical chemistry to a disease process.

HSC 1803 Medical Terminology for Health Sciences (3-1-3)

Covers basic medical terminology beginning with prefixes, suffixes and word roots used in medical and health care language. Develops knowledge by identifying, analysing, defining, spelling and pronouncing terms and learning abbreviations related to each of the body systems, as well as the basic introductory principles of drug administration routes and drug classifications.