

General Education

COMMUNICATIONS

CM 101 ENGLISH COMPOSITION

Credit Hours: 3

Prerequisites: None

This course provides instruction and practice in writing, with emphasis on the recursive processes of generating, drafting, revising and editing. Students develop skills in producing and evaluating written communications in private and public contexts.

LANGUAGE AND CULTURE IN HEALTHCARE

CM 230 SPANISH

CM 245 SIGN LANGUAGE

Credit Hours: 3

Prerequisites: None

Access to healthcare is greatly affected by one's command of language. Students in this course engage in the exploration of language and culture then apply these concepts to the healthcare environment through service-learning and community engagement. Students develop practical communication skills that enable effective cross-cultural work with health professionals and clients with backgrounds different from their own.

CM 320 HEALTHCARE COLLABORATION AND LEADERSHIP

Credit Hours: 3

Prerequisites: Determined by major

This course applies leadership and management theories to the changing environment of health-care. Students synthesize their knowledge of such topics as emotional intelligence, conflict management, gender dynamics, feedback delivery and systems theory in advanced writing and speaking projects. The NMC portfolio is integrated throughout this course.

HUMANITIES

HU 150 THE WORLD OF IDEAS: CRITICAL REASONING AND RHETORIC

Credit Hours: 3

Prerequisites: HU 150 is to be taken in the first semester
There is a strong relationship between thinking clearly and expressing thoughts in formal writing and public speaking. Using the skills of logic and critical thinking, students will examine ideas, analyze and evaluate the arguments of others, and advocate for their own ideas. Students will be introduced to the NMC Portfolio process.

HU 152 PORTFOLIO INTRODUCTION

Credit Hours: 1

Prerequisites: Either entered NMC with a bachelors degree or took a 3-credit public speaking course and a 3-credit critical thinking course

This course is designed for students who receive two transfer credits for HU150: Critical Reasoning and Rhetoric. Students will activate their electronic portfolios, submit writing samples, and begin documentation of the Educated Citizen outcomes.

HU 210 INTRODUCTION TO ETHICS

Credit Hours: 3

Prerequisites: Determined by major

Introduction to Ethics introduces students to theories and practices of individual, communal and societal obligations. Moral inquiry in the course proceeds from a philosophical basis.

HU 220 THE WORLD OF IDEAS: THE ARTS

Credit Hours: 3

Prerequisites: Determined by major

Area Description: Students use artistic modes of inquiry to develop awareness of the diversity of human feeling and experience. Students use critical thinking as they respond orally and in writing to original artifacts of human expression, including works of art, fiction, poetry, drama, and music.

HU 255 THE WORLD OF IDEAS: HISTORICAL PERSPECTIVES

Credit Hours: 3

Prerequisites: Determined by major

Area Description: Students critically analyze the impact of history on contemporary society. Historical methods of inquiry inform students' perspectives on societal and institutional development.

HU 270 THE WORLD OF IDEAS: HUMAN CONNECTION

Credit Hours: 3

Prerequisites: Determined by major

Area Description: Students use the modes of inquiry unique to philosophy, religion, ecology, and anthropology to develop sensitivity to life's interconnections. Selected fields of study provide unique lenses through which to study inner connections among mind, body, and spirit, as well as connections between oneself and a world of ideas, perspectives, and both living and non-living things.

NATURAL & APPLIED SCIENCES

SC 025 MATHEMATICAL CONCEPTS

Credit Hours: Variable (.2 to 1) credit hours (1 to 5 modules)

Prerequisites: None

This is a developmental course, which can be taken in its entirety or in a modular form. The course covers some of the basic mathematical principles including integers, negative numbers, fractions, decimals, percents and ratios and proportions.

SC 103 COLLEGE CHEMISTRY

Credit Hours: 3

Prerequisites: None

This course is an overview of general inorganic/organic and biochemistry with an emphasis on relationship to biological sciences. Includes a laboratory.

SC 110 INTRODUCTION TO PHYSICS

Credit Hours: 3

Prerequisites: None

This course discusses the major fundamental themes in classical physics of mechanics, heat, sound, electricity, magnetism, light and modern physics.

SC 116 MEDICAL TERMINOLOGY

Credit Hours: 1

Prerequisites: None

This course will introduce students to terminology used in the health care professions. The origins of medical terms will be studied with an emphasis placed on understanding the suffixes, prefixes, combining forms and root words used in health care terminology. At the end of the course the student will be able to comfortably understand, translate and discuss issues related to their profession using appropriate terminology.

SC 175 COLLEGE MATHEMATICS

Credit Hours: 1

Prerequisites: None

This course provides an overview of mathematical concepts. Content will include real numbers, operations applied to real numbers, ratios, proportions, algebraic expressions, logarithms and graphic applications. Course will be completed online.

SC 200 HUMAN ANATOMY & PHYSIOLOGY

Credit Hours: 5

Prerequisites: None

This survey course stresses structure and function of the cell; the integumentary, skeletal, muscle and nervous systems; special senses, endocrine, circulatory, lymphatic, respiratory, digestive, urinary, reproductive systems; as well as necessary aspects of medical

terminology, chemistry, histology and embryology. Laboratory experience will include cadaver study.

SC 206 PATHOPHYSIOLOGY/ PHARMACOLOGY

Credit Hours: 4

Prerequisites: SC 200

This survey course begins with a major focus on cellular function and pathology, including inflammation, infection, immune response, metabolism, and fluid disequilibria. These concepts serve as the foundation for the course as alterations in various bodily functions are examined. Alterations in body fluid and electrolyte homeostasis; fluid acid/base balance; gastrointestinal, urinary, respiratory, cardiac, endocrine and neurological functions are emphasized. The student will be introduced to pharmacological principles of commonly used classes of medications. The various drug classifications and general characteristics of drugs within a class are examined. These characteristics include the pharmacokinetics, pharmacodynamics, side effects, adverse effects and drug interactions of common drugs within each class.

SC 225 HUMAN ANATOMY & PHYSIOLOGY I

Credit Hours: 4

Prerequisite/Co-requisite: High school or college chemistry

This course introduces students to basic information required for further study and understanding of Anatomy and Physiology, as well as further study of all health care related subjects. Terminology that is specific to the medical field is introduced. Basic principles of chemistry, physics, embryology, developmental biology and histology are reviewed. This course focuses on enabling students to learn and understand the anatomy (structure) and physiology (function) of the integumentary, nervous, skeletal, and muscular systems. Laboratory experience will include cadaver study.

SC 226 HUMAN ANATOMY & PHYSIOLOGY II

Credit Hours: 4

Prerequisites: SC 225

The structure and function of the special senses, along with the endocrine, circulatory, lymphatic, respiratory, digestive, urinary and reproductive systems are stressed in this course. Laboratory experience will include cadaver study.

SC 240 PRINCIPLES & CONCEPTS OF NUTRITION

Credit Hours: 3

Prerequisites: SC 103

This course in nutrition is designed for students to gain knowledge of the basic elements of nutrition and

nutritional needs in all age groups, meal planning, food economics and client teaching. Consideration of the cultural and psychological influence of nutrition emphasizes the psychosocial components of humans and adequate nutrition maintenance for health. Students learn the role of good nutrition and how it applies to self, family, client and the community. It will provide students with basic knowledge, to enable students to gain an understanding of the role which nutrition plays in the health and well being of an individual.

SC 265 INTRODUCTION TO PHARMACOLOGY

Credit Hours: 3

Prerequisites: SC 103, SC 225, SC 226

Prerequisite/Co-requisite: SC 315

This course is designed to introduce students to pharmacological principles of prescription and over the counter (OTC) medications. The various drug classifications and general characteristics of drugs within a class are examined. The course also focuses on analysis and understanding of the pharmacokinetics, pharmacodynamics, side effects, adverse reactions and drug - drug and food - drug interactions of prototype and commonly used drugs within each class.

SC 280 MICROBIOLOGY

Credit Hours: 3

Prerequisites: SC 103

This course is a study of the principles and application of microorganisms and their relationship to various disease processes.

SC 315 PATHOPHYSIOLOGY

Credit Hours: 3

Prerequisites: SC 103, SC 225, SC 226, SC 280

This course begins with a major focus on cellular function and pathology, including inflammation, infection, immune response, metabolism and fluid disequilibrium. These concepts serve as the foundation for the course as alterations in various bodily functions are examined. Alterations in body fluid and electrolyte homeostasis; fluid acid-base balance; gastrointestinal, urinary, respiratory, cardiac, endocrine, neurological, mobility and sensory perceptual functions are emphasized.

SOCIAL SCIENCES

SS 101 INTRODUCTION TO PSYCHOLOGY

Credit Hours: 3

Prerequisites: None

This course is designed to merge science with a broad human perspective and to engage both the mind and the heart. It sets forth the principles and processes of

psychology and is sensitive to student's needs and interests. It helps students gain insight into the important phenomena in everyday life, to feel a sense of wonder about seemingly ordinary human processes and to see how psychology addresses issues that cross disciplines.

SS 215 LIFE-SPAN PSYCHOLOGY

Credit Hours: 3

Prerequisites: Determined by major

The Life-Span perspective involves several basic contentions: development is life-long, multidimensional, multi-directional, plastic, historically embedded, multi-disciplinary and contextual. Three imperative developmental issues are explored: maturation and experience, continuity and discontinuity and stability and change. Students study how humans develop and how they become who they are.

SS 235 THE SOCIOLOGY OF CULTURE

Credit Hours: 3

Prerequisites: None

This course explores the ways in which human beings make and remake the meaning of their social world through the production of culture. It employs sociological methods to explore the construction of the dominant, white subculture in the United States. The same methodologies are employed to examine the construction of subcultures in the United States, including those based on race, ethnicity, gender and sexual orientation.

SS 360 INTRODUCTION TO STATISTICS

Credit Hours: 3

Prerequisites: Determined by major

This course is designed to introduce students to the methods used in organizing, summarizing, analyzing and interpreting quantitative information. Emphasis is placed on the application of statistical methods and on the interpretation of statistically significant data. Specific techniques for measuring the degree of relationship between variables encountered in research are presented. The course is limited to research designs involving no more than two variables.

SS 370 PRINCIPLES OF RESEARCH

Credit Hours: 3

Prerequisites: Determined by major

This course is designed to assist the student in developing an understanding of the research process in qualitative, quantitative and mixed methods designs. The student learns to selectively apply the steps of research and to critically analyze research studies culminating in formal, oral and written projects.

**SS 465 CAPSTONE: THE EDUCATED
CITIZEN**

Credit Hours: 3

Prerequisites: SS 465 is to be taken in the final semester before graduation

This course is based in the social sciences and is designed to assist students in the integration of their roles as healthcare professionals and educated citizens. Through service learning, deliberate reflection, and the study of primary texts, students examine civic engagement and its relation to personal and professional development. Students present their portfolio within the context of this capstone course.