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Repeat Status: Not repeatable for credit

## Anatomy Courses

### ANAT 101 - Anatomy & Physiology I

This course is a general study of the structures and physiology of the human body. Fundamental concepts of microscopic tissue structure, gross structures of organs and body system organization are taught. The course consists of both lecture and lab material. The lecture portion deals with the general principles. In the lab, the student participates with practical examination of microscopic sections, tissues and organs, and the anatomical layout of human cadavers. The cell, tissues and musculoskeletal system will be covered in this course, as well as muscle and nerve physiology.

Credits: 5.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

### ANAT 102 - Anatomy & Physiology II

This course is a continuation of ANAT 101. This course is a general study of the structures & physiology of the human body. Fundamental concepts of microscopic tissue structure, gross structures of organs and body system organization are taught. The course consists of both lab and lecture material. The lecture deals with the general principles. In the lab, the student participates with practical examination of microscopic sections, tissues and organs, and the anatomical layout of various animal cadavers. The nervous, endocrine and digestive system will be covered in this course.

Credits: 5.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ANAT 101 Minimum Grade: C

Repeat Status: Not repeatable for credit

### ANAT 103 - Anatomy & Physiology III

This course is a continuation of ANAT 101 & 102. This course is a general study of the structures and physiology of the human body. Fundamental concepts of microscopic tissue structure, gross structures of organs and body system organization are taught. The course consists of both lab and lecture material. The lecture deals with the general principles. While in the lab, the student participates with practical examination of microscopic sections, tissues, organs and the anatomical layout of various animal cadavers. The cardiovascular, lymphatic, respiratory, urinary and reproductive systems will be covered in this course.

Credits: 5.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ANAT 102 Minimum Grade: C

### ANAT 202 - Sectional Anatomy

This course is designed to bridge the gap between Anatomy & Physiology and Advanced Anatomy. Anatomy of the head, neck, thorax, abdomen and pelvis is reviewed. Relationships of surface and internal structures from different bodily systems are emphasized. The analysis is supported by illustrations, CT scans, and MRI images.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 101 Minimum Grade: D and ANAT 102 Minimum

Grade: D and ANAT 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

### ANAT 420 - Advanced Anatomy I

This course introduces the fundamentals of Gross Anatomy. Emphasis is placed on the regional study of the head, neck, back and upper extremity. Special attention is directed to study of the brain and spinal cord. Laboratory materials include human cadavers, models, radiographs, CT scans, MRI images and relevant web sites.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

### ANAT 421 - Advanced Anatomy II

This course is a continuation of ANAT 420. Emphasis is placed on the regional study of the thorax, abdomen, pelvis and lower extremity. Laboratory material include human cadavers, models, radiographs, CT scans, MRI images and relevant web sites.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 420 Minimum Grade: D

Repeat Status: Not repeatable for credit

## Behavioral & Addictions Couns Courses

### BACS 100 - Life-Span Human Development

This course introduces students to the physical, cognitive and psychological aspects of human development from birth through advanced old age. Topics include: environmental influences, perception, gender roles and sexuality, spirituality, motivation, life styles, and psychiatric disorders.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 200 - Foundation of Behavioral Health Care

This course introduces the students to the historical and current contexts of program components that comprise community-based behavioral health systems. Topics include: work-force roles; regulatory policies and program practices; federal, state, and county program organizations; advocacy issues; and managed care systems issues.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 210 - Behavioral Disorders

Clinical characteristics and diagnostic features of major psychiatric disorders are reviewed within the contexts of community-based treatment approaches. Topics include: etiological models, differential symptoms, diagnostic/functional assessment and treatment interventions.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### BACS 220 - Counseling Theory and Practice

Surveys major counseling theories with emphasis upon study and practice of basic counseling competencies. Topics include: relationship building, effective communication and helping skills, common stages in counseling process, and helping skills with special populations.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 230 - Genetics and Mental Health

This course explores genetic concepts and principles as they pertain to human variation in behavioral and general health disorders. Students obtain a firm grounding in the basic science and the tools used by researchers to explore the contribution of the genes (and their essential counterpart, the environment) to behavior.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 232 - Ethics and Professional Responsibility

This course discusses the philosophical, legal and moral responsibilities of professionals in behavioral health and human services setting with a strong emphasis on counseling relationships. A wide array of ethical issues are presented and discussed. Moral dilemmas comprised of competing moral obligations are examined.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 234 - Introduction to Addictive Disorders

This course introduces the nature of addictions and the impairment in individuals who suffer from addictions. It includes a review of theories on substance disorders and approaches to identification, prevention and treatment. Topics include: historical perspectives, diagnosis, types of addictive behaviors, treatment, and current research.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 236 - Psychiatric Rehabilitation Principles and Practices

This is an introductory survey courses which acquaints the student with the principles and practices of Psychiatric (or Psychosocial) Rehabilitation. It provides the student with an understanding of the manner in which Psychiatric Rehabilitation approaches, understands and assists the person with serious and persistent mental illness.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### BACS 250 - Behavioral Health Informatics

This course introduces students to the uses and importance of computer technologies in transforming behavioral health care practice. Course sections cover both the science and practice applications of

emerging technologies from psychotherapies, to medication management, and to quality care management.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 255 - Multicultural Counseling

This course provides didactic information for use in the development of awareness and skills necessary for effective therapeutic relationships with clients of diverse cultural backgrounds.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### BACS 301 - Group Counseling I

This course is an introduction to the theoretical base and skills used in conducting group counseling. Included are theories of group work, facilitation techniques, types and styles of groups and models of group functioning. Students participate in a group as a group member and to act as a group co-leader in order to practice leadership skills.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### BACS 304 - Cognitive-Behavioral Counseling I

This course familiarizes the student with key cognitive-behavioral models used in therapy today. Differences and similarities are explored. Students are exposed to the philosophical models and the related techniques stemming from these models. Skills on how to conceptualize and work with a client are taught.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### BACS 310 - Recovery and Relapse Prevention

The goal of recovery and relapse preventions is the development personal strategies that will help the person restructure their life in a

way that will prevent a return to active addiction. This course helps define the role of professional counselor in understanding the dynamic of recovery from a clinical perspective.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### BACS 312 - Case Management Methods

This course is an in-depth explorations of the definitions and methodologies of case management services. The course is designed to provide students with the most up to date research and clinical applications of services management in the practice of addictions counseling.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### BACS 320 - Crisis and Brief Intervention

This course introduces student to the fundamental concepts, theories, strategies, and skills needed to understand and conduct effective crisis and brief intervention counseling. Particular attention is given to several types of crises commonly encountered in working within settings serving people who have long-term disabling psychiatric disorders.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### BACS 325 - Psychopharmacology for Counselors

This course focuses on the mechanisms of action of psychiatric medications, and uses and limitations of psychopharmacology in the overall management of serious mental illness. The student will learn to work collaboratively with the consumer, and others, and the importance of integrating the use of medications with psychiatric rehabilitation approaches.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

**BACS 350 - Child Psychopathology**

This course provides an understanding of childhood-onset behavioral, emotional, developmental, and learning disorders. Review of theories on the development of child psychopathology and approaches to identification, prevention and treatment of disorders. Students learn about assessment and ethical treatment of children

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

**BACS 360 - Preventing Substance Abuse**

This course provides a comprehensive overview of prevention theories and prevention programming applications as regards substance use disorders. Course topics include: theories and models basic to prevention, science-based prevention strategies and model programs, strategic planning and outcome evaluation.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

**BACS 367 - Advanced Counseling Intervention**

This course introduces students to current best practices when counseling clients with behavioral health disorders. Students are provided with training in the advanced counseling skills of Motivational Interviewing and Solution-Focused Therapy as well as introduced to experimental approaches to counseling this population.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: BACS 220 Minimum Grade: C

Repeat Status: Not repeatable for credit

**BACS 368 - Addictions Counseling with Special Populations**

This course involves the student in examinations of challenges for addictions counselors in working with frequently underserved populations represented by adolescents and elderly persons. Effective approaches to assessing and treating both youthful and older adult individuals with addiction disorders are explored and defined.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

**BACS 370 - Problem Gambling Interventions**

This course covers basic areas of treatment knowledge and counseling skills necessary to effectively diagnose and assess the pathological gambler and define the necessary components for effective counseling interventions with problem gamblers.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

**BACS 390 - Special Topics in Mental Health**

This course covers topics of particular interest to students in health sciences. In different terms, a variety of topics will be presented to the students. May be repeated twice for credit.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Course can be repeated 2 time(s) for 6.00 credit(s)

**BACS 401 - Assessment and Treatment Planning**

The focus of this course is learning the systematic, multi-disciplinary approach for gathering, interpreting, applying and recording data regarding clients in addictions and other behavioral health treatment settings. The most current screening, assessment, treatment planning and documentation approaches are covered.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

**BACS 404 - Cognitive-Behavioral Counseling II**

This course extends BACS 304 by deepening the exploration of cognitive-behavioral therapy theory and methods. More emphasis and developing skills in conceptualization and treatment. Some focus on how clients can manage anger better and how therapists can take care of themselves appropriately.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: BACS 304 Minimum Grade: C

Repeat Status: Not repeatable for credit

BACS 405 - Family-Focused Interventions

This course gives students the knowledge, skills and attitudes to: identify and overcome the barriers that prevent family members from being full partners in the mental health treatment of their family member; define family from a culturally competent perspective; and provide mental health intervention in full partnership with families.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

BACS 410 - Child and Adolescent Support

This course is based on the principles of Child and Adolescent Service System Program (CASSP). The course gives students the knowledge, skills important to implementing a comprehensive care system for families and their children endorsed by the Commonwealth of Pennsylvania.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

BACS 411 - Forensic Behavior Health Service

The intersection between law and behavioral health services in the focus of this course. Topics include: the criminal justice system, criminal thinking, community and ethical barriers, biopsychosocial models that are specific to the forensic client and the growing base of knowledge about community corrections.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

BACS 412 - Group Counseling II

This is an advanced course in the facilitation of group processes, with an emphasis on group counseling. The course provide skills in group

facilitation including application of theory, tracking process and initiating interventions, working with special populations, incident management, treatment planning processes, and recording progress.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

BACS 414 - Co-Occurring Disorders

This course introduces an integrated treatment approach for working with individuals who have both mental illness and substance use disorders. Topics include: assessment and treatment planning, strategies for coordinating dual interventions.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

BACS 420 - Psychiatric Rehabilitation Competencies

The purpose of this advanced course is to help students develop the competencies necessary to implement the principles and practices of Psychiatric Rehabilitation. This is accomplished by engaging the student in an in-depth analysis of the tools and processes used to bring about outcomes related to community integration and the life quality.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites:

Repeat Status: Not repeatable for credit

BACS 490 - Senior Research Project

The students, with faculty supervision, plan and execute a term project that will integrate the academic and practical knowledge the students have acquired in their curriculum. The students develop objectives relevant to the project, critique the literature, present a plan for implementation, and complete the term project. May be repeated twice for credit.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Course can be repeated 2 time(s) for 6.00 credit(s)

#### BACS 499 - Readings in Behavioral Health

This course is designed to allow upper-class students to pursue specialized interest in specific topics in behavioral health science. May be repeated three times for credit.

Credits: 1.00 to 6.00

College: Nursing & Health Professions

Department: CNHP - Behavioral Counseling

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Course can be repeated 3 time(s) for 9.00 credit(s)

### Cardiovascular Perfusion Courses

#### CVPT 101 - Perfusion Technology I

In Perfusion Technology I, the student is introduced to the various components that comprise the perfusion hardware, such as perfusion pumps, oxygenators, tubing packs and ancillary equipment used in CPB circuits. In this course, students receive extensive wet-lab experience and should be able to demonstrate a pump set-up.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### CVPT 289 - Cardiac Anatomy and Physiology

Cardiac Anatomy and Physiology expands knowledge learned in basic anatomy and physiology coursework. Explores the structure and mechanisms by which the cardiovascular system functions in relation to other organ systems, with an emphasis on how cardiopulmonary bypass alters normal function.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### CVPT 293 - Basic Surgery and Monitoring

Basic Surgery and Monitoring introduces basic surgical aspects, including sterile and aseptic techniques, interrelationships of various personnel in the operating room and various surgical techniques as they relate to perfusion. Explores all facets of patient monitoring, with an emphasis on changes associated with the conduct of perfusion.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### CVPT 295 - Clinical Practicum I

Clinical Practicum I exposes students to the operating room, where their primary responsibilities are observing and assisting senior students and staff perfusionists. Provides experience including pump set-up, handling case records, gathering lab data, and limited perfusion management.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### CVPT 300 - Clinical Practicum II

Clinical Practicum II is a course focused entirely on clinical perfusion. Includes responsibility for pump set-up and cardiopulmonary bypass case management. Includes close supervision for each individual case.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 295 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 305 - Pediatric Clinical Practicum

Pediatric Clinical Practicum examines the differences among adult, infant and neonate perfusion methods during a one-month rotation to Children's Hospital of Philadelphia. Emphasizes circuit preparation, priming volumes, flow rates and hemodynamic changes, pharmacological agents, direct visualization of various congenital anomalies and surgical corrections.

Credits: 2.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 307 Minimum Grade: D and CVPT 330 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 307 - Clinical Practicum III

Clinical Practicum III provides clinical work aimed at increasing the level of proficiency in the conduct of patient perfusion. Under supervision, students are responsible for all aspects of clinical perfusion and are exposed to specialized techniques and adjunctive technology used for cardiopulmonary bypass.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 300 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### CVPT 310 - Perfusion Technology II

Perfusion Technology II reinforces the operating room techniques observed in CVPT 295 in a classroom setting. Examines ancillary and perfusion support systems, including ventricular-assist devices, extracorporeal membrane oxygenation, CPS, intra-aorta Balloon pumps and others.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 320 - Physiologic Management of Bypass

Physiologic Management of Bypass provides an understanding of the many physiologic changes that occur during bypass and a method for safely and effectively addressing these changes. Emphasis is placed on hemodynamics, fluid balance, blood coagulation and electrocardiographic activity as they apply to perfusion.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Repeat Status: Not repeatable for credit

#### CVPT 330 - Cardiovascular Pathology

Cardiovascular Pathology provides an understanding of pathological conditions that exist in all organ systems, with special emphasis on the cardiovascular system. Discusses both acquired and congenital defects, with attention given to pathological conditions requiring cardiopulmonary bypass.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 320 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 340 - Cardiovascular Pharmacology

Cardiovascular Pharmacology details the various pharmacologic interventions used for cardiovascular patients, highlighting their classification, dosage, site of action, duration of action, interactions with other drugs, precautions and side effects.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 289 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### CVPT 350 - Clinical Practicum IV

Clinical Practicum IV is designed to complete the students' clinical experience. Expects students, under staff supervision at all times, to act as though unsupervised in all routine cardiovascular procedures. Allows the operation of complex devices as well as student participation in emergency procedures.

Credits: 12.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 307 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 360 - Cardiac Surgical Practicum

A multi-faceted course incorporating many of the disciplines found in an acute care setting. Rotations include the following observational areas: catheterization lab, recovery room, anesthesia, intra-aortic balloon pumps, surgical assisting and ventricular assist devices.

Credits: 2.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 365 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 365 - Clinical Practicum V

Clinical Practicum V is an advanced course designed to focus on the initiation and discontinuation of cardiopulmonary bypass. Interaction with the surgeon and anesthesiologist is essential and proper communication skills are developed.

Credits: 12.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 350 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### CVPT 370 - Clinical Practicum VI

Clinical Practicum VI is an advanced course designed to focus on the patient's hemodynamic status during the preoperative, perioperative, and post operative time periods. The student is educated in proper drug and fluid administration. EKG rhythms are assessed in conjunction with post operative expectations and heart function.

Credits: 10.00

College: Nursing & Health Professions

Department: CNHP - Cardiovasc Perfusion



**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 365 Minimum Grade: D

Repeat Status: Not repeatable for credit

**CVPT 375 - Clinical Practicum VII**

Clinical Practicum VII is an advanced course designed to prepare the student for handling complications which may occur during an open heart procedure. Senior students are involved in simulations which mimic actual clinical situations/problems. The students utilize their clinical experience and knowledge base to assess the operating room situations.

Credits: 10.00

College: Nursing & Health Professions

Department: CNHP - Cardioasc Perfusion

**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CVPT 370 Minimum Grade: D

Repeat Status: Not repeatable for credit

**Health Sciences Courses**

**HSCI 201 - Health Assessment through the Lifespan**

Course focuses on health assessment across the lifespan. The focus is on the development of interviewing skills, assessment of health status, and physical examination skills for the beginning health professional student.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

**HSCI 204 - Clinical Health Informatics**

This course examines technology and the tools of the Internet, with a focus on the use of cyber-technology and select computer applications. The automation of data management through information systems, expert systems, and telecommunication, and the impact of technology on health care education and research are addressed.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: CS 161 Minimum Grade: C

Repeat Status: Not repeatable for credit

**HSCI 301 - Pharmacology I**

This course introduces health professional students to the principles of pharmacology and drug therapies, pharmacologic-therapeutic classes of drugs and important drug information resources.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 101 Minimum Grade: C and ANAT 102 Minimum

Grade: C and ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

**HSCI 302 - Pharmacology II**

This course focuses on common drugs used in the treatment of disorders of cardiovascular, renal, respiratory and gastrointestinal systems, anti-infective and anti-inflammatory agents, immune and biologic modifiers and chemotherapeutic agents, and miscellaneous hematologic, dermatologic, ophthalmic, ant otic agents.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: HSCI 301 Minimum Grade: C

Repeat Status: Not repeatable for credit

**HSCI 310 - Introduction to Clinical Research**

This course provides a comprehensive introduction to clinical research. Topics include informed consent, regulatory issues, specific groups conducting research, and phases of drug, medical device, and medical procedure development. Students develop an understanding of regulatory and organizational aspects of clinical research.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

**Restrictions:**

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

**HSCI 313 - Clinical Trials Protocols**

Students learn to design and implement a clinical trial protocol. Topics include experimental design, research team member roles and management of clinical trials. Special research techniques for special populations are considered. Means of preventing scientific misconduct through proper monitoring are discussed.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

**Restrictions:**

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Health Sciences

Pre-Requisites: HSCI 310 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSCI 315 - Current Issues in Clinical Research

This course is designed to discuss current issues impacting clinical research practice. Topics include ethical issues, scientific issues and operational issues. There is also an opportunity to learn strategies for obtaining a position in clinical research and identify organizations that support clinical research practice.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: HSCI 313 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### HSCI 325 - Exercise Physiology

This course examines the acute and chronic effects of exercise on human physiology. Topical areas include neuromuscular physiology, cardiopulmonary, energy metabolism, nutrition, exercise evaluation, body composition, exercise prescription, and influence of environmental factors and clinical conditions on response to exercise.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 101 Minimum Grade: C and ANAT 102 Minimum

Grade: C and ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### HSCI 326 - Applied Anatomy and Kinesiology

This course applies the foundations of anatomy and physiology to the study of human movement, with emphasis on normal motions of the musculoskeletal system. Topical areas include musculoskeletal anatomy, neuroanatomy, biomechanics, lever systems, and the influence of musculoskeletal disease and injury in normal movement.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 101 Minimum Grade: C and ANAT 102 Minimum

Grade: C and ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### HSCI 337 - Genetics and Health

This course discusses the Human Genome Project and how to apply genetic knowledge to patient knowledge and patient care in the following ways: identifying the need for genetic testing, obtaining and recording information, and supporting choice by patients about genetic issues.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: BIO 102 Minimum Grade: C and BIO 104 Minimum

Grade: C and BIO 106 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### HSCI 430 - Developmental Anatomy

This course expands upon the student's knowledge of anatomy by describing the events involved in the formation of organ systems in the developing human. The laboratory portion of the course examines congenital defects of the systems and discusses possible causes and treatments from a clinical perspective.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 101 Minimum Grade: C and ANAT 102 Minimum

Grade: C and ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### HSCI 470 - Readings in Health Sciences

This course is designed to allow upper-class student to pursue specialized interests in specific topics in the health sciences. May be repeated twice for credit.

Credits: 1.00 to 6.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must have the following Classification(s):

Junior

Senior

Repeat Status: Course can be repeated 2 time(s) for 12.00 credit(s)

#### HSCI 480 - Special Topics in Health Sciences

This course covers topics of a particular interest to students in health sciences. In different terms, a variety of topics are presented to the students.

Credits: 1.00 to 12.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Course can be repeated 4 time(s) for 24.00 credit(s)

#### HSCI 490 - Senior Research Project

In this course, the student, with faculty supervision, selects a topic for a term project that integrates the academic and practical knowledge the student has acquired in his/her curriculum. The student develops objectives relevant to the project, critiques the literature, presents a plan for implementation, and completes the term project.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

## Health Services Administration Courses

### HSAD 125 - Medical Terminology

This course introduces the language of medicine through an analysis of medical prefixes, suffixes, and root words.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

### HSAD 210 - Health-Care Ethics I

This course addresses introductory concepts and basic issues in health-care ethics. The topics include but are not limited to decision-making, professionalism and advocacy, confidentiality, truth-telling and informed consent.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

### HSAD 309 - Advanced Health-Care Ethics

This course builds on the foundation provided in Health Care Ethics and discusses such issues as chronic care, end of life, beginning of life, distributive justice and the right to health care.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Pre-Requisites: HSAD 210 Minimum Grade: D

Repeat Status: Not repeatable for credit

### HSAD 310 - Introduction to Health-Systems Administration

The course is designed to assist the student in understanding and preparing for the unique challenges presented to managers in a health services administration career. History and current milieu of U.S. health care are considered, as well as the ever changing infrastructure of the health-services industry.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

### HSAD 312 - Development of World Health Care

This course examines a broad overview of the ongoing development of health-care policies, availability, and philosophy in a cross-section of countries by means of detailed case studies to examine both common and unique challenges and solutions, as well as global responses, to crises, such as plagues, epidemics, and natural disasters.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

### HSAD 313 - Evolution of Health Care in the United States

This course will cover the evolution of health care in the U.S. from pre-colonial times to the present by discussing improvements in treatment institutions, modalities, philosophies and access to care, as well as the impact of major events in history on health-care discoveries on the delivery and administration of health services in the United States.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

### HSAD 315 - Interdisciplinary Health Services

This course focuses on the role, responsibilities, scope of practice, and special concerns of health-care providers and their disciplines. The concept of interdisciplinary health-care practice is examined, along with basic concepts of teamwork and team formation.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 316 - Health Care across Cultures

Living in a pluralistic society poses many challenges and opportunities. This course examines the impact of cultural upon health-care decision. Concepts such as "health," "illness," "culture," "ethnicity," will be analyzed. Traditional and alternative approaches to the delivery of health care will be addressed.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 317 - Religious Views on Health Care

Addresses the impact of a person's religious beliefs on the need for and delivery of health care. Specific issues will be discussed.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Pre-Requisites: ENGL 101 Minimum Grade: D or HUM 101 Minimum

Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 318 - Health and Vulnerable Populations

Vulnerable populations, those with special needs for or barriers to care, have a significant impact upon health care, both in terms of meaning and delivery. This course looks at the meaning of health through the eyes of various distinct vulnerable populations.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 319 - Women and the Health Professions

This course explores women's early and controversial roles as health-care providers, the influence of government and the church on women, and key contributions by women in the health professions.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Pre-Requisites: ENGL 101 Minimum Grade: D or HUM 101 Minimum

Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 320 - Managed Health Care

This course provides the student an opportunity to survey the major concepts and operational considerations of the provision of health-care

services in a managed-care environment. The regulatory landscape as well as the physician/patient relationship is considered as a key to understanding the managed health care environment.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 321 - Health-Care Human Resources

An introduction to the basic principles of human-resource management and their practical application in today's complex health-care organization. This course examines the role of human resources as a strategic partner within the organization.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: (ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D ) and HSAD 310 Minimum

Grade: D and HSAD 334 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 322 - Health-Care Law

Provides an overview of the major laws affecting health-care professionals and examines the current legal climate in health care.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 323 - Health Services and the Elderly

This course covers a broad spectrum of health-care issues and concerns facing today's elderly, such as health-care coverage, living arrangements, acute and long-term-illness management, enhanced quality of life issues, and gender-specific health concerns.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum

Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 324 - Health Technology and Ethical Responsibility  
Developments in health care technology challenge many of our common assumptions about basic concepts such as health, disease, and normality. This course encourages students to consider some of the issues raised by changing health technology.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 325 - Issues in Health Care System

This course provides the student with the opportunity to analyze management problems that are of current importance in today's health-care industry on a national and international level.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 326 - Holism and Health Care

Details the development of medicine from the late nineteenth century to the present in view of the corresponding rise of interest in a holistic approach to health care by means of alternative and complementary medicine in relation to traditional medical practices.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 327 - Partnerships in Health Care

Addresses health service as a collaborative venture identifying the primary stakeholders and partners in the administration of health care including clinicians, administrators, institutions, industry, private and governmental agencies, and the patient. In addition, practical strategies for developing effective partnerships are explored.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 328 - Health Care for Diverse Groups

Examines the administration of health services and special needs to different subpopulations classified according to gender, ethnicity, race, weight (the obese), and sexual orientation.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D or ENGL 105 Minimum Grade: D or HUM 106 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 329 - Health Care and the Media

Much of the public's perception of issues in health care comes from the media (newspapers, magazines, television, film, advertising, the internet). The course explores the interactive relationship between health care and the media in presenting information to the public.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 103 Minimum Grade: D or ENGL 105 Minimum Grade: A or HUM 108 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 330 - Financial Management in Health Care

Emphasizes basic financial management theory related to the health-care industry, as well as accounting practices for health-care organizations.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ACCT 115 Minimum Grade: D

Repeat Status: Not repeatable for credit

HSAD 331 - Non-profits and Health Care

Provides an overview of the not-for-profit and advocacy sector of health care, explores business fundamentals and current models, selects a health topic, assesses the market, and assists students in developing their own not-for-profit and/or advocacy business.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Pre-Requisites: (ENGL 101 Minimum Grade: D or ENGL 105 Minimum Grade: D or HUM 106 Minimum Grade: D ) and HSAD 310 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### HSAD 332 - Health-Care Marketing

Provides a comprehensive review of marketing's role in the health-care field by examining the history of health-care marketing, the contributions of marketing to the strategic objectives of health-care organizations, and the effects of marketing on public relations and the consumer.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: HSAD 310 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 333 - Health, Illness, and the Arts

This course provides the opportunity to examine topics relevant to health and illness as depicted in the arts - primarily literature, film, and painting as well as other arts forms where appropriate.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D and ENGL 102 Minimum Grade: D and ENGL 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 334 - Management of Health Services

In this course, students will learn forms and uses of traditional management functions - plan, direct, monitor, evaluate - as well as contemporary functions that are used in an array of health care services organizations. Students match skills and competencies within the respective domains of health services management.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: HSAD 310 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 335 - Health-Care Policy

This course provides an introduction to the development and implications of U.S. health-care policy, including key governmental and non-governmental participants and the political process.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: HSAD 310 Minimum Grade: D and PSCI 110 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 336 - Urban Health Care

Using an ecological model to analyze the special needs and issues in urban health care, students will examine the people, place, and politics of an urban area to assess the delivery and quality of health care and will complete an analysis of a real and current urban health-care-delivery problem, including solutions.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 337 - Health Care/Quality Improvement

Quality Improvement (QI) is a critical component of the health-care-delivery system in the United States. Because errors and reliability issues have major implications, standards and measures are imperative to ensure consistency and safety. As such, this course examines existing programs in place and best-industry practices.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 338 - Human Services & Health Systems

This course introduces existing health-care systems in the United States and globally in terms of the human services that support and are supported by those systems and the effect of human services on those systems and vice versa.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 339 - Health Care Legislation

This course will examine the major roles played by local, state, and federal governments in the funding, delivery, oversight, and evaluation of health-care services. The rationale, history, and current examples of how localities protect the public health are given.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 340 - Leadership in Health Services Administration

This course discusses issues in management and leadership in a health-care-administration setting by focusing on alternative organizational structures and the managerial role in these structures, as well as exploring managerial and leadership roles in specific health organizations and project management.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: HSAD 310 Minimum Grade: D and HSAD 335 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 341 - Risk Management in Healthcare Organizations

This course is an introduction to risk management in health care. It describes the roles of a risk manager and the risks associated with various health care settings. Regulatory, contractual and medical malpractice exposures are discussed and techniques for controlling and preventing loss are evaluated. Students prepare a risk management plan for a healthcare organization.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### HSAD 342 - Children and Health Care

This course will focus on a range of issues facing the health-services industry in providing care to children with the goal of better understanding and meeting the special needs and challenges from both a direct care and systematic point of view.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 343 - Health and Illness in Film

This course analyzes various films with themes and stories related to health and illness in view of conceptual theories on health and illness and conceptual elements of film as a representational medium.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D and ENGL 102 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 344 - The Individual and Health Care Politics

Health-care policy can easily become questions of statistics and spreadsheets that obscure their origins in individual experience. Drawing upon a series of personal essays published in the journal Health Affairs and collected into the volume Narrative Matters, this course will discuss the power of first-hand experience in shaping health-care discourse.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 345 - Ethics in Health Care Management

This course focuses on one aspect of the role of health care management professionals: the ethical dimension. The course combines an understanding of ethical theory with the practical application of ethical principles to management issues that arise in the health care arena. Discussions will be guided by cases drawn from real work experiences.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 351 - Ethical Issues in Reproduction

This course discusses ethical issues concerning human reproduction. The issues span contraception, abortion, assisted reproductive technologies, parenthood, and balancing fetal and maternal interests. Focus is placed on the variety of perspectives on these issues and underlying values.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

#### Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 352 - Ethics in Health Care Research

This course is designed to familiarize students with some of the ethical issues involved in health-care research. These issues include, but are not limited to, responsible authorship, use of human subjects, use of animals, defining and handling scientific misconduct, confidentiality, and conflicts of interest.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 353 - Public Health Ethics

This course will address ethical issues in public health. Students will be exposed to a variety of views on topics including, but not limited to, human rights, the balancing of individual rights with public interests, managing disasters, epidemics, risky behaviors, and the meaning of health from a population standpoint.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HSAD 470 - Readings in Health-Services Administration

This course is designed to allow juniors and seniors majoring in health-services administration and carrying minimum cum GPAs of 3.0 to pursue specialized interests in specific topics in health-services administration on an independent basis, yet under the direction of program faculty members. Faculty permission is required. May be repeated twice for credit.

Credits: 1.00 to 6.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must have the following Classification(s):

Junior

Senior

Pre-Requisites: ENGL 103 Minimum Grade: D or ENGL 105 Minimum

Grade: A or HUM 108 Minimum Grade: D

Repeat Status: Course can be repeated 2 time(s) for 12.00 credit(s)

#### HSAD 480 - Special Topics in Health-Services Administration

This course covers topics of particular interest to students majoring in health-services administration. In different terms, a variety of topics are presented to the students. May be repeated for credit.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 103 Minimum Grade: D or ENGL 105 Minimum

Grade: A or HUM 108 Minimum Grade: D

Repeat Status: Course can be repeated 98 time(s) for 998.00 credit(s)

#### HSAD 490 - Senior Research Project

Designed for the senior in health-services administration, the student, in conjunction with a faculty member, selects a topic for a term project integrating knowledge acquired in the curriculum. The student develops objectives relevant to the project, critiques the literature, presents a plan for implementation, and completes the project.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must have the following Classification(s):

Senior

Pre-Requisites: ENGL 103 Minimum Grade: D or ENGL 105 Minimum

Grade: A or HUM 108 Minimum Grade: D

Repeat Status: Not repeatable for credit

### Health and Society Courses

#### HLSO 101 - Intro to Health & Society

Designed as an introduction to health and health care beyond the clinical environment, this course introduces students to the intersection of health and society by means of weekly lectures on various aspects of health and health care in relation to societal concerns and needs.

Credits: 1.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### HLSO 301 - Rhetoric/Reality of Hlth Care

The dissemination of information on health care and the language involved in the information are key factors in determining how the individual responds to health-care issues and treatment. This course will examine the nature of rhetoric as it influences health-care decisions at a societal and at an individual level.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:



Must be enrolled in one of the following Program Level(s):  
Undergraduate Quarter  
Pre-Requisites: ENGL 101 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### HLSO 302 - Consumer-Driven Health Care

This course focuses on how market economics and personal responsibility combine to drastically change health-care insurance saving, utilization, and satisfaction. Effects on employers, health-care providers, hospitals, and insurers are examined.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 303 - Urban Health Care

Using an ecological model to analyze the special needs and issues in urban health care, students will examine the people, place, and politics of an urban area to assess the delivery and quality of health care and will complete an analysis of a real and current urban health care delivery problem, including solutions.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 304 - Health Care/Quality Improvement

Quality Improvement (QI) is a critical component of the health-care delivery system in the United States. Because errors and reliability issues have major implications, standards and measures are imperative to ensure consistency and safety. As such, this course examines existing program in place and best-industry practices.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 305 - Health Promotion and Wellness

Students will study the seminal international and U.S. documents that founded the health-promotion and wellness movement and will examine the use of health promotion in improving the health of individuals, groups, communities, and populations.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 306 - Human Services & Health Systems

This course introduces existing health-care systems in the United States and globally in terms of the human services that support and are supported by those systems and the effect of human services on those systems and vice versa.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 307 - Disaster Planning & Hlth Care

This course examines the unique challenges to managers of health-care institutions, in-patient populations, providers of care, and the public health and safety systems during a disaster, as well as the complex relationships between and among government officials, first responders, and the public regarding disaster planning and during a crisis.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 308 - Concepts of Injury Prevention

This course focuses on the epidemiology of injury prevention and control in the public sector. Mechanisms of injury and risk factors for accidental injury and death are examined. Various prevention strategies are reviewed, as is a look to the future of injury prevention.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 309 - Health Fads, Trends & Myths

We are part of a society bombarded with fads, trends, and myths of all types, and health care is no exception. Distinguishing one from the

other is a tricky business. This course will help separate fads from both trends and myths and all three from evidence-based therapies.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 310 - Children & Health Care

This course will focus on a range of issues facing the health-services industry in providing care to children with the goal of better understanding and meeting the special needs and challenges from both a direct care and systematic point of view.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 313 - AIDS, Society & Health Care

This course will look at the impact of HIV/AIDS on health care from a patient, provider, societal, and systems perspective. We will address how this local and national global pandemic affects societies and health services throughout the world.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### HLSO 314 - Human Sexuality & Health Care

This course explores human sexuality in relation to individual and societal attitudes and examines the role of health care in effectively dealing with and treating issues arising from human sexual dysfunctions, diseases, myths, phobias, and other concerns.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 319 - Health Care Legislation

This course will examine the major roles played by local, state, and federal governments in the funding, delivery, oversight, and evaluation

of health care services. The rationale, history, and current examples of how localities protect the public health are given.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 320 - Individual & Hlth Care Politics

Health care policy can easily become questions of statistics and spreadsheets that obscure their origins in individual experience. Drawing upon a series of personal essays, this course will discuss the power of first-hand experience in shaping health care discourse.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 321 - Hlth Issues & the Environment

This course provides a general review of the leading environmental health issues of today by identifying historical, political, societal, and medical approaches to safeguarding population health from the environmental, while protecting and preserving the environment.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 322 - Ideologies & Health Care

This course will examine the role of political, religious, cultural, and philosophical ideologies on societies -- past and present -- in terms of the nature and delivery of health care, as well as the effects of these ideologies on the health and well-being of the societies as a whole and of the individuals comprising the societies.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 327 - Health & Illness in Film

This course analyzes various films with themes and stories related to health and illness in view of conceptual theories on health and illness and conceptual elements of film as a representational medium.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 329 - Grief & the Healing Arts

Grief is a typical response to loss as, for example, in the loss of a human life, a body part, a former state of existence, or a valued pet. This course will examine grief and the role of the arts as a therapeutic means of dealing with grief and loss both in terms of professional health care giver and the grieving individual.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ENGL 101 Minimum Grade: D and ENGL 102 Minimum Grade: D and ENGL 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### HLSO 370 - Spec Topics in Health & Society

This course covers topics of particular interest in health and society. In different terms, a variety of topics will be presented to the students. Students may repeat the same course, but not the same topic. Students majoring in health and society will have first preference.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must have the following Classification(s):

Junior

Sophomore

Senior

Pre-Requisites: ENGL 101 Minimum Grade: D and ENGL 102 Minimum Grade: D

Repeat Status: Course can be repeated 99 time(s) for 999.00 credit(s)

#### HLSO 470 - Readings in Health & Society

This course is designed to allow approved junior and senior students with cumulative GPA's of at least 3.0 to pursue specialized interests in specific topics in health and society under the supervision of an appropriate faculty member. This course, but not the same topic, may be repeated for credit.

Credits: 1.00 to 6.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must have the following Classification(s):

Junior

Senior

Pre-Requisites: ENGL 101 Minimum Grade: D and ENGL 102 Minimum Grade: D and ENGL 103 Minimum Grade: D

Repeat Status: Course can be repeated 3 time(s) for 12.00 credit(s)

#### HLSO 490 - Senior Research Project

Designed for seniors in Health and Society, the student, in conjunction with a faculty member, selects a topic for a term project integrating knowledge acquired in the curriculum. The student develops objectives relevant to the project, critiques the literature, presents a plan for implementation, and completes the project.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must be enrolled in one of the following Major(s):

Health and Society

Must have the following Classification(s):

Senior

Pre-Requisites: ENGL 101 Minimum Grade: D and ENGL 102 Minimum Grade: D and ENGL 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

### Invasive Cardiovascular Tech Courses

#### ICVT 300 - Introduction to Cardiology

This course is designed to provide an introduction to the cardiology environment. It includes medical terminology, confidentiality, professionalism, patient's rights, medical ethics, universal precautions, and communications skills in cardiology.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### ICVT 302 - Cardiovascular System

This course will review basic information about the functioning of the heart and lungs as it is applied to clinical practice. A complete description of the cardiovascular system to include blood circulations, embryological development and the pulmonary system will be discussed.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 303 - Patient Assessment I

This course will allow the student to gain experience in recognizing and evaluating laboratory blood gases, hematology, coagulation and acid base disturbance as they relate to the needs of the cardiovascular patient. It will focus on "normal" and "abnormal" values associated with the diagnosis, treatment and prevention of cardiac episodes.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 302 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 304 - Cardiac Laboratory Procedures

Introduction to the diagnostic procedures used in the Cardiac Catheterization Laboratory. Prior didactic instruction in cardiac anatomy and physiology and medical instrumentation will be applied.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 302 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 305 - Coronary Anatomy & Imaging

Discusses the anatomy of coronary arteries. It will review radiation production, x-ray beam characteristics, film-screen characteristics, film processing and imaging system performance.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 302 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 306 - ECG & Special Topics

This course presents the electrocardiography theory and principles necessary to recognize and evaluate ECG data from a real-time monitor, 12 lead electrocardiogram. Included is a detailed examination of the hearts cellular mechanisms, conduction pathology and the disease process responsible for irregularities of heart rhythm.

Credits: 4.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 302 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 308 - Cardiovascular Angiography

This course will expand on information learned in Cardiac Laboratory Procedures. It will emphasize advanced cardiovascular diagnostic and therapeutic procedures to include injection techniques, Intra-aortic balloon pumping, and Percutaneous Transluminal Coronary Angioplasty (PTCA) and patient closure devices.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 304 Minimum Grade: C and ICVT 305 Minimum

Grade: C and ICVT 306 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 309 - Hemodynamic Data I

Students are introduced to the primary hemodynamic formula's associate with monitoring and evaluation of the cardiovascular patient. Hemodynamic monitoring skills, basic hemodynamic calculations, arrhythmia recognition and reports generated on a variety of physiological monitoring systems are presented in detail.

Credits: 4.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 306 Minimum Grade: C and ICVT 304 Minimum

Grade: C

Repeat Status: Not repeatable for credit

#### ICVT 310 - Radiation Safety & Equipment

This course enables student radiographers to strengthen their competencies with issues related to radiation protection. The student will continue to evaluate such topics as radiobiology, radiation quantities, units and standards for radiation protection.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### ICVT 311 - Patient Assessment II

A continuation of patient assessments I, providing a solid theory base for the delivery of safe patient care in potentially unstable or unpredictable situations is the focus of this course. Documentation within the catheterization laboratory will be revisited along with continued discussion of procedures, protocols and patient education.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 303 Minimum Grade: C

Repeat Status: Not repeatable for credit

ICVT 312 - Clinical Practicum I

This clinical course is designed to allow the student to gradually gain experience in assisting the cardiologist to perform diagnostic cardiac catheterization procedures and hemodynamic calculations. Some or all pre-requisites may be taken as either a pre-requisite or co-requisite. Please see the department for more information.

Credits: 8.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 303 Minimum Grade: C and ICVT 304 Minimum

Grade: C and ICVT 305 Minimum Grade: C and ICVT 306 Minimum

Grade: C and ICVT 309 Minimum Grade: C (May be taken concurrently)

Repeat Status: Not repeatable for credit

ICVT 406 - Disease & Medical Emergencies

This course explains etiology, pathophysiology, and clinical findings associate with myocardial infarction, coronary artery, valvular and aortic diseases, and presents a detailed examination of congenital heart defects and hereditary disease process.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 412 Minimum Grade: C and HSCI 301 Minimum

Grade: C

Repeat Status: Not repeatable for credit

ICVT 407 - Cardiovascular Review I

In this course, students will evaluate and review certification requirements. Student's will gain insight into their strengths and weaknesses associated with the certification requirement. Students will also form a directed plan of study to prepare for the CCI/RCIS or ARRT/CI examination.

Credits: 4.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 409 Minimum Grade: C and ICVT 412 Minimum

Grade: C and HSCI 301 Minimum Grade: C

Repeat Status: Not repeatable for credit

ICVT 409 - Hemodynamic Data II

This is a continuation of hemodynamic data I. The student will have further development in hemodynamics monitoring and calculations.

This course will expand on student's knowledge of ventricular function, thermodilution methods, ejection fraction, regurgitant fraction and other formulas utilized within the catheterization.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 309 Minimum Grade: C and ICVT 312 Minimum

Grade: C

Repeat Status: Not repeatable for credit

ICVT 410 - Cardiovascular Review II

This course is a continuation of ICVT 407 with emphasis on additional evaluate and review certification requirements.

Credits: 5.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Co-Requisites: HSCI 302, ICVT 432

Repeat Status: Not repeatable for credit

ICVT 411 - Special Topics in Cardiology

This course covers topics of particular interest to students in cardiovascular health science. In different terms, a variety of topics will be presented to the students.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

ICVT 412 - Clinical Practicum II

A continuation of Clinical Practicum I, with emphasis and understanding of all clinical duties involved within the cardiovascular area to include additional knowledge of aseptic techniques.

Credits: 8.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ICVT 309 Minimum Grade: C and ICVT 312 Minimum

Grade: C

Repeat Status: Not repeatable for credit

ICVT 422 - Clinical Practicum III

A continuation of Clinical Practicum II, with emphasis and understanding of all clinical duties involved within the cardiovascular area to include additional knowledge of aseptic techniques.  
Credits: 10.00  
College: Nursing & Health Professions  
Department: SHP - Radiology Techn  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Pre-Requisites: ICVT 412 Minimum Grade: C and ICVT 409 Minimum Grade: C  
Repeat Status: Not repeatable for credit

ICVT 432 - Clinical Practicum IV  
A continuation of Clinical Practicum III, students will continue to develop skill by active participation in a cardiac catheterization laboratory.  
Credits: 8.00  
College: Nursing & Health Professions  
Department: SHP - Radiology Techn  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Co-Requisites: HSCI 302, ICVT 410  
Pre-Requisites: ICVT 407 Minimum Grade: C and ICVT 422 Minimum Grade: C  
Repeat Status: Not repeatable for credit

### Medical Billing and Coding Courses

MBC 101 - Medical Terminology for Billers and Coders  
This course covers medical terminology and anatomy from a biller's and coder's perspective and provides a foundation for courses in medical billing and coding.  
Credits: 3.00  
College: Nursing & Health Professions  
Department: Health Sciences  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Repeat Status: Not repeatable for credit

MBC 201 - Medical Billing I  
Designed as part one of a two-part sequence, this course is intended for those who have no experience or minimal experience with medical billing. The student will learn principles of medical billing related to proper claim form preparation, submission, and payment processing.  
Credits: 3.00  
College: Nursing & Health Professions  
Department: Health Sciences  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Repeat Status: Not repeatable for credit

MBC 202 - Medical Billing II  
Designed as part two of a two part sequence, this course is intended for those who have completed MBC 201 and who are seeking further knowledge of medical billing.  
Credits: 3.00  
College: Nursing & Health Professions  
Department: Health Sciences  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Pre-Requisites: MBC 201 Minimum Grade: D or HSAD 201 Minimum Grade: D  
Repeat Status: Not repeatable for credit

MBC 250 - Medical Billing Software  
This course takes the theory learned in Medical Billing I and II and applies it to billing software applications. Charge entry, payment posting, report design, and generation are covered.  
Credits: 3.00  
College: Nursing & Health Professions  
Department: Health Sciences  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Pre-Requisites: MBC 202 Minimum Grade: D or HSAD 202 Minimum Grade: D  
Repeat Status: Not repeatable for credit

MBC 301 - Physician-Based Medical Coding I  
Designed as part one of a two-part sequence, this course teaches the principles of medical coding related to the three main coding manuals and can prepare the student to sit for one of the two national board exams in medical coding.  
Credits: 3.00  
College: Nursing & Health Professions  
Department: Health Sciences  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Pre-Requisites: MBC 202 Minimum Grade: D or HSAD 202 Minimum Grade: D  
Repeat Status: Not repeatable for credit

MBC 302 - Physician-Based Medical Coding II  
Designed as part two of a two-part sequence, this course continues instruction in the principles of medical coding related to the three main coding manuals, as well as preparing the students to sit for one of the two national board exams in medical coding.  
Credits: 3.00  
College: Nursing & Health Professions  
Department: Health Sciences  
Restrictions:  
May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Pre-Requisites: MBC 301 Minimum Grade: D or HSAD 301 Minimum Grade: D  
Repeat Status: Not repeatable for credit

### MBC 303 - Hospital-Based Medical Coding I

Designed as part one of a two-part sequence, this course teaches the principles of hospital-based medical coding related to the coding for in-patient hospital cases by means of the main coding manuals, as well as helping to prepare the student to sit for one of the two national board exams in medical coding.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: MBC 301 Minimum Grade: D or HSAD 301 Minimum

Grade: D

Repeat Status: Not repeatable for credit

### MBC 304 - Hospital-Based Medical Coding II

Designed as part two of a two-part sequence, this course continues instruction in the principles of hospital-based medical coding related to the coding for in-patient and out-patient hospital cases by means of the main coding manuals, as well as helping to prepare the students to sit for one of the two national board exams in medical coding.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: MBC 303 Minimum Grade: D or HSAD 303 Minimum

Grade: D

Repeat Status: Not repeatable for credit

### MBC 350 - Physician-Based Chart Auditing

This course applies knowledge learned in Physician-Based Medical Coding I and II to auditing patient-visit documentation. Use of various audit tools and software will be explored in addition to preparing a presentation of audit results to physician and staff.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: MBC 302 Minimum Grade: D or HSAD 302 Minimum

Grade: D

Repeat Status: Not repeatable for credit

### MBC 360 - Hospital-Based Case Studies

This course applies knowledge learned in Hospital Based Medical coding I and II and applies it to actual coding of case studies for the hospital in-patient and out-patient setting, as well as providing additional preparation for hospital-based coding certification credentials.

Credits: 3.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: MBC 304 Minimum Grade: D or HSAD 304 Minimum

Grade: D

Repeat Status: Not repeatable for credit

## Neuroscience Courses

### NEUR 410 - Neuroscience

This course is designed to provide the student with a strong foundation in the structure and function of the nervous system. Clinical correlations are provided throughout the course to underscore the necessity for understanding the material for effective clinical practice and to provide a neurophysiological basis for various pathological conditions commonly encountered in the practice.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: ANAT 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

## Nursing Courses

### NURS 104 - Ethics, Advocacy and Professionalism in Nursing III

The purpose of the third part of this course is to focus on the practical application of redefining nursing, healthcare and medication errors, medication diversion, and end of life issues. These concepts will be introduced and examined as they relate to the student's professional growth.

Credits: 1.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

Must be enrolled in one of the following Major(s):

Nursing

Pre-Requisites: NURS 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

### NURS 110 - Essentials of Relationship-Based Professional Nursing Practice

The purpose of this course is to provide students with the tools, strategies, and resources necessary to meet their professional obligations. This course focuses on exploring the historical context of nursing, introducing the IOM care competencies and examining the role of the professional nurse in today's healthcare environment.

Credits: 4.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Accelerated Career Entry BSN

Nursing

Pre-Requisites: ANAT 101 Minimum Grade: D and ANAT 102 Minimum Grade: D (May be taken concurrently) and ENGL 102 Minimum Grade: D  
Repeat Status: Not repeatable for credit

**NURS 112 - Relationship-Based Health Assessment & Promotion**  
This course focuses on establishing the professional nurse / patient relationship-based care that promotes and assesses health within the adult population. Special emphasis is placed on screening for health risks identified by national goals and population trends. The student develops physical assessment skills applicable to professional practice and incorporates health promotion activities associated with the guidelines established by Healthy People 2020.

Credits: 5.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Accelerated Career Entry BSN

Nursing

Pre-Requisites: ANAT 101 Minimum Grade: D and ANAT 102 Minimum Grade: D and BIO 226 Minimum Grade: D and NURS 110 Minimum Grade: D (May be taken concurrently)

Repeat Status: Not repeatable for credit

**NURS 200 - Principles of Nursing Practice**

This course will focus on the concepts, skills, and the attitudes fundamental to professional nursing practice within a framework of clinical decision-making. Some or all pre-requisites may be taken as either a pre-requisite or co-requisite. Please see the department for more information.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Accelerated Career Entry BSN

Nursing

Co-Requisites: INFO 204, NURS 112

Pre-Requisites: ANAT 103 Minimum Grade: D and BIO 226 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NURS 204 - Nursing Informatics**

This course is designed to examine computer technology and tools of the Internet and World Wide Web with a focus on the use of cyber technology and selected computer applications. The automation of data management through information systems, expert systems, and telecommunication, and the impact of these technologies on nursing administration, education, practice and research are addressed in the context of nursing informatics. Actual problem-solving and mini-design projects on how computerization and automation can improve the efficiency of nursing care delivery will be emphasized.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Co-Requisites: NURS 200, NURS 201

Pre-Requisites: NURS 100 Minimum Grade: D and NURS 102 Minimum Grade: D and CS 161 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NURS 300 - Comprehensive Adult Nursing I**

This course will focus on the development of selected competencies for nursing care assessment and management of adults with predictable human responses to specific system alterations.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Co-Requisites: NFS 220, NURS 301

Pre-Requisites: NURS 200 Minimum Grade: D and NURS 112 Minimum Grade: D and INFO 204 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NURS 301 - Pharmacology for Nursing I**

Introduces professional nursing students to the principles of pharmacology and drug therapies, pharmacologic-therapeutic classes of drugs and important drug information resources.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Co-Requisites: NURS 300

Pre-Requisites: NURS 200 Minimum Grade: D and NURS 112 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NURS 303 - Women's Health Nursing**

This course focuses on the development of competencies for the nursing care management of child-bearing families and health problems/concerns that affect women. The course will also emphasize the nurse's role in health assessment, health promotion, and promotion of adaptive processes for the maternity patient and the promotion of women's health in general. Sociocultural, economic, political, and ethical factors that impact on health promotion, disease prevention, and risk reduction for the childbearing family and women in general are examined. Selected women's health clinical settings will be utilized for clinical practice.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):



#### Continuing Education

Pre-Requisites: NURS 300 Minimum Grade: D and NURS 301 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 304 - Nursing of Children

This course focuses on the development of competencies for the nursing care management of children experiencing potential and actual alterations in health. An emphasis will be placed on the nurse's role in health assessment, health promotion, and promotion of adaptive processes for the child within the context of the family. Selected pediatric clinical agencies will be utilized for clinical practice.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Pre-Requisites: PSY 101 Minimum Grade: D and PSY 120 Minimum Grade: D and NURS 300 Minimum Grade: D and NURS 301 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 305 - Comprehensive Adult Nursing II

This course is a continuation of NURS 300. It will focus on the development of selected competencies for nursing care assessment and management of adults with predictable human responses to specific system alterations. Risk reduction, recovery, and rehabilitation of patients with selected disease processes and common clinical problems are addressed. Didactic medical-surgical content will focus on the gastrointestinal, renal, immunologic, integumentary, sensorineural, neurologic, musculoskeletal, male reproductive, and infectious disease systems. Home care principles and health policy for adults with common acute and chronic illnesses and diseases will also be explored. Selected general medical-surgical settings and home-care agencies will be utilized for clinical practice.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Pre-Requisites: NURS 300 Minimum Grade: D and NURS 301 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 306 - Pharmacology for Nursing II

This course is a continuation of NURS 301. The course will begin with a review of drug and dosage calculations. This course will focus on drugs and cardiovascular and renal systems, respiratory system, anti-infective and anti-inflammatory agents, immune and biologic modifiers and chemotherapeutic agents, gastrointestinal system and nutrition, and miscellaneous therapeutics including hematologic, dermatologic, ophthalmic, and optic agents. Strategies to prevent medication errors in health care agencies will be discussed.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Pre-Requisites: NURS 301 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 308 - Mental Health Nursing

This course focuses on the development of competencies necessary for the practice of mental health nursing with emphasis on the use of self in relationships with patients and health team members. An understanding of the brain-behavior connection and the importance of the therapeutic nurse-patient relationship will provide the framework for exploring factors which contribute to stress, maladaptive behaviors and mental illness. Cross-cultural aspects of mental health and appropriate culturally relevant interventions will also be emphasized. Selected inpatient and outpatient mental health settings and agencies will be utilized for clinical practice.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Co-Requisites: PSY 120

Pre-Requisites: PSY 101 Minimum Grade: D and NURS 300 Minimum Grade: D and NURS 301 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 324 - Intro to Online Learning: Tools for Success

This RN-BSN completion course provides a guided, hands on introduction to the skill sets necessary to support on line learning, communication, and the production of scholarship. Practicing nurses will be introduced to technologies and resources that are fundamental to success in the RN-BSN program. These technologies and resources will be incorporated to develop writing and other competencies essential for scholarly achievement.

Credits: 2.00 to 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

Must be enrolled in one of the following Program(s):  
B.S in Nursing Completion

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Repeat Status: Not repeatable for credit

#### NURS 325 - Critical Issues in Nursing

Critical Issues in Shaping Nursing. The health care system has undergone dramatic shifts, driven by changing economic; demographic; and technological forces. This course explores the impact of these forces on healthcare delivery, and concerns relating to ethical, legal and social issues that influence nursing practice.

Credits: 3.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education  
Repeat Status: Not repeatable for credit

#### NURS 330 - Research Basis of Nursing

This course will introduce the student to the theoretical and research bases on which practice is built. Students will examine the knowledge that guides nursing interventions and critique published research reports. The importance of reviewing the nursing literature in order to maintain currency in practice will be addressed. Ethical issues as they relate to research, theory and practice will be discussed. This is a writing intensive course.

Credits: 4.00

College: Nursing & Health Professions  
Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Must be enrolled in one of the following College(s)/School(s):  
Nursing & Health Professions

Must have the following Classification(s):

Senior

Pre-Requisites: STAT 201 Minimum Grade: D or SOC 364 Minimum Grade: D or STS 345 Minimum Grade: D or PSY 364 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### NURS 336 - Alternatv & Complmt Hlth Intrv

This course is an introduction to the theoretical literature which investigates the efficacy of alternative medicine health care practices and complementary therapies which are broadly defined as biotherapeutic interventions. Any intervention which is aimed at biologic, psychologic, or spiritual healing may be termed biotherapeutic. The context of the human illness experience is explored as an opportunity for nurses to recommend and patients to experience traditional and nontraditional healing practices. Biotherapeutic modalities with applications for nursing and health care are also explored. An emphasis is placed on the delivery, teaching, and referral of biotherapeutic interventions for clients seeking alternative and complementary health therapies.

Credits: 3.00

College: Nursing & Health Professions  
Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Must be enrolled in one of the following College(s)/School(s):  
Nursing & Health Professions

Must be enrolled in one of the following Major(s):

Nursing

Must have the following Classification(s):

Senior

Pre-Requisites:

Repeat Status: Not repeatable for credit

#### NURS 337 - Genetics in Nursing and Health

This course will discuss the implications of the Human Genome Project and how to apply genetic knowledge to patient knowledge to patient

care in the following ways: identifying those in need of further genetic testing, offering genetic information, recording genetic information, referring patients and families for further genetic information and evaluation, support informed choice regarding health decisions, advocacy for privacy, confidentiality, and non-discrimination with regard to genetic information, and participate in management of patients with genetic conditions. The ethical consideration as they relate to genetics will also be explored. This is a writing intensive course.

Credits: 3.00

College: Nursing & Health Professions  
Department: CNHP - Bachelor's Degree  
Pre-Requisites: ANAT 103 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### NURS 339 - Pathophysiology

Pathophysiology for Nurses. This course builds upon the theoretical foundations of nursing theory; human anatomy, and physiology by addressing basic concepts, principles, and processes associated with common pathologies, physiological alterations in body system, and the body's ability to compensate for these changes.

Credits: 3.00

College: Nursing & Health Professions  
Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Pre-Requisites: ANAT 103 Minimum Grade: D and (CHEM 101 Minimum Grade: D or CHEM 103 Minimum Grade: D ) and (BIO 226 Minimum Grade: D or BIO 221 Minimum Grade: D )

Repeat Status: Not repeatable for credit

#### NURS 340 - Transformational Leadership

Transformational Leadership. This course will focus on the professional nurses roles in applying the principles of leadership, management and ethics in health care organizations across the continuum of care. The course will provide opportunities in problem solving, critical thinking, constructive communication and well as teaching learning strategies that emphasize the leadership/management roles of the nurse.

Credits: 3.00

College: Nursing & Health Professions  
Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Repeat Status: Not repeatable for credit

#### NURS 346 - Health Assessment

Health Assessment and Promotion for Diverse Vulnerable Populations. This course is designed to assist professional nurses in developing interviewing skills, physical assessment techniques, and preventive health interventions when working diverse and vulnerable populations.

Credits: 6.00

College: Nursing & Health Professions  
Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

#### Continuing Education

Repeat Status: Not repeatable for credit

#### NURS 350 - Independent Study in Nursing

This is a guided independent study. Students study a subject under the supervision of the nursing faculty member. May be repeated for credit.

Credits: 1.00 to 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Course can be repeated 3 time(s) for 9.00 credit(s)

#### NURS 370 - Issues in Aging and Longevity

Issues in Aging and Longevity. This course focuses on current issues in promoting longevity with healthy aging. Current biopsychosocial theories on aging are explored. The multidisciplinary needs of older adults, including relationship challenges, are addressed.

Credits: 4.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### NURS 375 - Nurses Building a Healthy Comm

Nurses Building a Healthy Community. This course focuses on the professional role of the community public health nurse working collaboratively to build a health community. The role of nurses is explored by their actions with aggregate population, community partners, and other health providers.

Credits: 6.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 346 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 388 - Nursing Case Study I

Nursing Case Study Integration I. This course is designed to extend students' understanding of common adult health disorders. Critical thinking skills will be used to integrate and analyze knowledge of therapeutic communication, health assessment and nursing process, pharmacology, nutrition, and anatomy and physiology.

Credits: 1.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 200 Minimum Grade: D and NURS 110 Minimum Grade: D and NURS 112 Minimum Grade: D

Repeat Status: Not repeatable for credit

NURS 400 - Leadership, Management, and Entrepreneurship in Nursing  
Focuses on professional nursing role in applying principles of leadership and management in health care organizations across the continuum of care. Emerging and roles for nurse entrepreneurs and professional practitioners will be explored. Also emphasizes the role of the professional nurse in efficient patient care management in complex health care settings. This is a writing intensive course.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Accelerated Career Entry BSN

Nursing

Pre-Requisites: NURS 305 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 401 - Comp Adult Nursing III

This course will focus on the development of selected competencies for nursing care assessment and management of adults with unpredictable and complex human responses to specific system alterations. The course will emphasize the assessment of functioning, adaptation, and recovery for patients with high acuity illnesses and clinical problems. Selected high acuity acute care settings will be utilized for clinical practice.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 301 Minimum Grade: D and NURS 303 Minimum

Grade: D and NURS 304 Minimum Grade: D and NURS 305 Minimum

Grade: D and NURS 306 Minimum Grade: D and NURS 308 Minimum

Grade: D

Repeat Status: Not repeatable for credit

#### NURS 403 - Community Public Health Nursing

The focus of this course is the professional nurse's role in working with aggregates in the community. The student will first reexamine the principles of health promotion as they form the bases for effective community health nursing practice. The student will then explore the role of the community health nurse working collaboratively with the community as part of an interdisciplinary team. Grounded in systems theory and informed by the concepts and principles of community health nursing, public health nursing, wellness, health promotion, and national goals, the student works with aggregates in the community setting. An introduction to conceptual frameworks that guide community-based, population-focused practice and research is included in both the classroom and clinical portions of the course. The student uses skills in community assessment, program planning and

practice interventions in helping identified populations within the community maintain their optimum level of health. Selected measure for evaluating outcomes of community health nursing programs are discussed. Contemporary public health problems encountered in community health nursing practice are explored. Selected community health and public health clinical agencies will be selected for clinical practice.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 300 Minimum Grade: D and NURS 301 Minimum

Grade: D and NURS 303 Minimum Grade: D and NURS 304 Minimum

Grade: D and NURS 305 Minimum Grade: D and NURS 306 Minimum

Grade: D and NURS 308 Minimum Grade: D

Repeat Status: Not repeatable for credit

NURS 404 - Nursing Informatics for BSN Completion

Designed for registered nurses in the RN-BSN completion program.

Examines computer applications, technology, internet tools. Focuses on health care informatics context for data management, information systems & telecommunications in nursing administration, education and practice. Problem solving and mini-design projects related to increased efficiency in nursing care delivery.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Nursing (Online)

Pre-Requisites:

Repeat Status: Not repeatable for credit

NURS 450 - Contemporary Gerontological Nursing

This course will focus on the nursing management of older adults.

Contemporary theories of gerontology, theories of aging, physiological/psychological functioning, impact of developmental changes, illness, and dysfunction will be emphasized. The geriatric patient will be examined at various levels -- healthy older adult, older adult at risk, the older adult experiencing acute and chronic illness. Students' clinical experiences will be in home health agencies, transitional, and long-term facilities.

Credits: 6.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

Must have the following Classification(s):

Senior

Pre-Requisites: NURS 300 Minimum Grade: D and NURS 301 Minimum

Grade: D and NURS 303 Minimum Grade: D and NURS 304 Minimum

Grade: D and NURS 305 Minimum Grade: D and NURS 306 Minimum

Grade: D and NURS 308 Minimum Grade: D and NURS 401 Minimum

Grade: D

Repeat Status: Not repeatable for credit

NURS 460 - Global Health & Policy Issues

Global Health and Policy Issues. This course is an overview of global health issues. Emphasis will be placed on understudy of health policy development related to global health issues, healthcare systems, and its effect on selected population.

Credits: 6.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 325 Minimum Grade: D and NURS 375 Minimum

Grade: D

Repeat Status: Not repeatable for credit

NURS 462 - Science, Technology and Health

Science, Technology, and Health. This course is an intensive overview of the latest discoveries and trends in science and technology which have implication if the broader health of man-kind and nursing.

Credits: 4.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 330 Minimum Grade: D and NURS 325 Minimum

Grade: D

Repeat Status: Not repeatable for credit

NURS 464 - Sr Concentration in Nursing

Senior Concentration in Nursing. The student, with a faculty supervisor, selects a clinical area of practice for in-depth 60 hours of clinical experience. Students will be immersed in the current literature of the clinical discipline to demonstrate competent and safe nursing practice.

Credits: 3.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

NURS 465 - Senior Thesis in Nursing

Senior Thesis in Nursing. The student, with a faculty supervisor, plans a project that will be implemented that quarter. The project must be substantive and scholarly and be presented to the nursing community.

Credits: 3.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

#### NURS 480 - Special Topics in Nursing

The course provides a forum for in-depth exploration of a contemporary issue in nursing or health care which can influence the quality of health care services provided to patients. Specific issues covered in the course will change from term to term. This course may be repeated three times for credit as topics vary.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

Must be enrolled in one of the following Program Level(s):  
Undergraduate Quarter

Must be enrolled in one of the following Major(s):

Nursing

Must have the following Classification(s):

Senior

Repeat Status: Course can be repeated 3 time(s)

#### NURS 481 - Issues & Resolutions in End of Life Care

Promotes understanding of complexities associated with care of clients and families across the lifespan at end-of-life. Explores nursing management of individuals and families facing end-of-life care and decisions. Emphasis on evidenced-based practice in legal, ethical and professional decision-making framework. Conforms with AACN/ELNEC model.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Must be enrolled in one of the following Major(s):

Nursing

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

#### NURS 482 - Cultural Dimensions of Nursing Care

The focus of this course will be on strategies for providing culturally competent nursing care in a multicultural society. Emphasis is placed on evidence-based nursing practice within a framework of ethical, legal, and professional decision making.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Restrictions:

May not be enrolled in one of the following Program Level(s):  
Continuing Education

Must be enrolled in one of the following Major(s):

Nursing

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

#### NURS 488 - Nursing Case Study II

Nursing Case Study Integration II. This course is designed to extend students' understanding of common adult health disorders. Critical

thinking will be used integrate and analyze knowledge of therapeutic communication, health assessment and nursing process, pharmacology, nutrition, and anatomy and physiology using selected case studies.

Credits: 1.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 112 Minimum Grade: D and NURS 110 Minimum

Grade: D and NURS 200 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 489 - Synthesis of Nursing Knowledge

Synthesis of Nursing Knowledge. This course prepares students for senior seminar by providing a comprehensive content review of clinical material and culminating in a comprehensive HESI exam. Skills needed for effective interpersonal communication and professional behaviors of the nurse will be learned and rehearsed utilizing the standardized patient lab experience. May be repeated once for credit.

Credits: 4.00

College: Nursing & Health Professions

Department: School of Nursing

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NURS 401 Minimum Grade: D and NURS 304 Minimum

Grade: D and NURS 305 Minimum Grade: D and NURS 306 Minimum

Grade: D

Repeat Status: Course can be repeated 1 time(s) for 4.00 credit(s)

#### NURS 490 - Sr Project in Nursing

In this course, the student with faculty supervision, plans a long-term project that will be implemented in NURS 491. This project will integrate the academic and practical knowledge the student has acquired in their nursing curriculum. Examples of projects include the following: developing/implementing a teaching tool or a teaching plan, conducting a small clinical research study or evaluating data specific to management patterns that promote effective nursing care. Students will develop objectives relevant to the project, critique the literature and present a plan for implementation.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree

Pre-Requisites: NURS 300 Minimum Grade: D and NURS 303 Minimum

Grade: D and NURS 304 Minimum Grade: D and NURS 305 Minimum

Grade: D and NURS 306 Minimum Grade: D and NURS 308 Minimum

Grade: D and NURS 400 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NURS 491 - Sr Project in Nursing II

This is a continuation of NURS 490. Implementation of the project developed in NURS 490 will be done under faculty supervision.

Students will make a formal presentation of their project to their professional peers and the MCP Hahnemann/Drexel community.

Credits: 3.00

College: Nursing & Health Professions

Department: CNHP - Bachelor's Degree  
Restrictions:  
Must have the following Classification(s):  
Senior  
Pre-Requisites: NURS 490  
Repeat Status: Not repeatable for credit

#### NURS 492 - Sr Seminar in Nursing

This course will serve as a review of important concepts from the nursing curriculum. Students will focus on those concepts that they need to improve for the successful practice of professional nursing. Students will utilize the Nursing Technology lab to review procedures practiced throughout the nursing curriculum and will use computerized testing to gauge their mastery of professional nursing content.

Credits: 3.00

College: Nursing & Health Professions  
Department: CNHP - Bachelor's Degree  
Restrictions:

Must have the following Classification(s):

Senior

Pre-Requisites: NURS 300 Minimum Grade: D and NURS 303 Minimum Grade: D and NURS 304 Minimum Grade: D and NURS 305 Minimum Grade: D and NURS 306 Minimum Grade: D and NURS 308 Minimum Grade: D and NURS 400 Minimum Grade: D and NURS 401 Minimum Grade: D

Repeat Status: Course can be repeated 98 time(s) for 998.99 credit(s)

### Nutrition & Food Science Courses

#### NFS 100 - Nutrition, Foods, and Health

Covers the six nutrient categories and how they function in the body. Includes nutritional implications of major diseases, food safety issues, and current food and nutrition controversies with an emphasis on personal health.

Credits: 2.00

College: Nursing & Health Professions  
Department: Nutrition Sciences  
Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### NFS 101 - Introduction to Nutrition & Food

Provides basic understanding of required nutrients and how they are used in the body. Students complete a computerized nutrient analysis and apply the science of nutrition and food to food choices to improve their personal health.

Credits: 3.00

College: Nursing & Health Professions  
Department: Nutrition Sciences  
Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Repeat Status: Not repeatable for credit

#### NFS 111 - Introduction to Dietetics

A survey of the dietetics field with emphasis on the role of the Registered Dietetics in practice. Discussion of current professional issues including evidence-based practice and the nutrition care process.

Credits: 2.00

College: Nursing & Health Professions  
Department: Nutrition Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Must be enrolled in one of the following Major(s):

Dietetics

Human Nutrition

Repeat Status: Not repeatable for credit

#### NFS 200 - Nutrition I: Principles of Nutrition

Covers principles of human nutrition, including energy metabolism. Covers physiological mechanisms and food sources of carbohydrates, lipids, proteins, vitamins, and minerals in relation to optimal human health.

Credits: 4.00

College: Nursing & Health Professions  
Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Nursing

Pre-Requisites: CHEM 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### NFS 203 - Nutrition II: Nutrition in the Lifecycle

Covers nutrition in human life cycles with emphasis on prenatal, maternal, infant, childhood, adolescent, adulthood and later maturity. Also covers nutrient requirements and typical health and disease problems of each stage of the life span. Laboratory activities provide application of nutrition topics in preventive health activities related to the life span, with emphasis on diet-evaluation techniques.

Credits: 4.00

College: Nursing & Health Professions  
Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: NFS 200 Minimum Grade: D or BIO 121 Minimum Grade: D or NFS 101 Minimum Grade: D or NFS 230 Minimum Grade: D  
Repeat Status: Not repeatable for credit

#### NFS 215 - Nutritional Chemistry

Covers the chemistry of carbohydrates, lipids, proteins, and nucleic acids and their behavior in the body's major metabolic mechanisms, including the role of vitamins and minerals in enzyme systems critical to normal human nutrient metabolism.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: CHEM 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 216 - Nutrition and the Schoolchild

A course designed for future elementary school teachers to increase their knowledge of childhood nutrition as it relates to health promotion, health maintenance, and the prevention and treatment of nutritionally relevant health abnormalities in elementary school students. The scientific basis of nutrition and principles of education are emphasized. Some or all pre-requisites may be taken as either a pre-requisite or co-requisite. Please see the department for more information.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: BIO 102 Minimum Grade: D (May be taken concurrently)

Repeat Status: Not repeatable for credit

NFS 217 - Nutrient Quality & Composition

Applications of principles of nutritional chemistry involving macronutrients and micronutrients.

Credits: 1.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Co-Requisites: NFS 215

Pre-Requisites: CHEM 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 220 - Normal & Lifespan Nutrition

Builds on basic nutrition principles to include nutrient metabolism and chemical and biological aspects of nutrition. Addresses special nutrient needs of people through the life cycle.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not be enrolled in one of the following Major(s):

Repeat Status: Not repeatable for credit

NFS 230 - Intermediate Nutrition

The role of nutrients in body structure and function. Factors involved in the availability, digestion, absorption, and utilization of nutrients. Identification of the normal nutritional needs of individuals, and sources of nutrients. The interpretation of current research in nutritional studies.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not be enrolled in one of the following Major(s):

Nursing

Pre-Requisites: BIO 121 Minimum Grade: D or NFS 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 265 - Professional Issues in Nutrition and Foods

Introduces professional issues in dietetics, food science, and nutrition science. Covers issues affecting current and future practice, and resources available to professionals in these fields.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: BIO 121 Minimum Grade: D or BIO 115 Minimum Grade: D

Grade: D

Repeat Status: Not repeatable for credit

NFS 310 - Nutrition and Sports

After reviewing the fundamental processes of nutrition and human development, the course applies principles of nutrition to athletic conditioning, performance, and rehabilitation from sports-related injuries. Identifies evidence based recommendations for nutritional needs of today's athlete and explores the validity of sport diet fads. Development cycle of the recreational, amateur, and competitive athlete.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

NFS 315 - Nutrition in Chronic Disease

This course provides a basic understanding of nutrition therapy and its role in the prevention and treatment of medical conditions.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NFS 200 Minimum Grade: D or NFS 230 Minimum

Grade: D or BIO 121 Minimum Grade: D or NFS 100 Minimum Grade: D

or NFS 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 320 - Pediatric Nutrition

This course provides an overview of pediatric nutrition assessment, as well as nutrition therapy and its role in the prevention and treatment of medical conditions found in the newborn through adolescent.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NFS 200 Minimum Grade: D or NFS 230 Minimum

Grade: D or BIO 121 Minimum Grade: D or NFS 100 Minimum Grade: D

or NFS 101 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 325 - Nutrition & Exercise Physiology

An advanced level course covering nutrient needs to maximize exercise performance. Energy metabolism, with emphasis on macronutrient and micronutrient needs during different levels of exercise will be emphasized. Benefits of exercise in the prevention and treatment of chronic diseases and the safety of ergogenic aids will be discussed.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Pre-Requisites: NFS 100 Minimum Grade: D or NFS 101 Minimum

Grade: D or BIO 121 Minimum Grade: D or NFS 200 Minimum Grade: D

or NFS 230 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 345 - Foods and Nutrition of World Cultures

Provides an understanding of the diversity of cultural food choices and their nutritional implications. Includes an emphasis on cultural groups in the United States and methods to provide nutrition education to culturally diverse groups.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: COM 345 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 365 - Nutrition Laboratory: Food and Nutrient Analysis

Provides quantitative study of metabolism and observable effects of nutrient factors (vitamins, minerals, fats, carbohydrates, and proteins), using foods. This is a writing intensive course.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: NFS 215 Minimum Grade: D or BIO 311 Minimum

Grade: D

Repeat Status: Not repeatable for credit

NFS 370 - Foodservice Systems Management

In-depth analysis of food purchasing, financial management of foodservices, cost controls, marketing in foodservice, equipment layout and design, and management/leadership theories and applications.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Sophomore

Pre-Requisites: HRM 215 Minimum Grade: D and HRMT 323 Minimum

Grade: D

Repeat Status: Not repeatable for credit

NFS 371 - Institutional Organization and Administration

Covers organization, administration, and application of managerial techniques in food-service systems; personnel training; job and person analysis; and morale and motivation. Includes field trips to food-service systems.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites:

Repeat Status: Not repeatable for credit

NFS 391 - Community Nutrition

Studies nutrition services provided by national, state, and local governments and private organizations. Discusses nutritional needs-assessment techniques and program-development methods. Field trips will be made to community nutrition programs.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences



**Restrictions:**

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Junior

Pre-Junior

Sophomore

Pre-Requisites: NFS 203 Minimum Grade: D and PSY 320 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NFS 415 - Advanced Nutrition I: Macronutrition**

Covers biochemical and physiological topics of macronutrient metabolism, with emphasis on ingestion, digestion, absorption, and excretion of carbohydrate, protein, and lipid.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: (NFS 200 Minimum Grade: D or NFS 230 Minimum Grade: D ) and NFS 215 Minimum Grade: D and NFS 217 Minimum Grade: D and BIO 154 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NFS 416 - Advanced Nutrition II: Micronutrients**

Provides in-depth study of vitamin and mineral absorption, metabolism, and degradation, with an emphasis on human health requirements and a thorough understanding of nutrient and dietary requirements.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Pre-Requisites: NFS 415 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NFS 431 - Nutrition Counseling**

Emphasizes nutrition-counseling techniques for use with individuals and small groups. Includes development of nutrition education materials as well as verbal and non-verbal communication skills.

Credits: 4.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

Must be enrolled in one of the following Major(s):

Nutrition and Food Science

Must have the following Classification(s):

Senior

Pre-Requisites: NFS 443 Minimum Grade: D and PSY 342 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NFS 443 - Medical Nutrition Therapy I**

First of a three-course sequence examining the interrelationships of physiology, biochemistry, and nutrition as related to medical nutrition therapy. Emphasizes nutritional assessment and the role of nutrition in preventing and treating diseases/disorders: gastrointestinal diseases, diabetes, obesity, and cardiovascular disease.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Junior

Pre-Junior

Sophomore

Pre-Requisites: NFS 416 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NFS 444 - Medical Nutrition Therapy II**

Second of a three-course sequence examining the interrelationships of physiology, biochemistry, and nutrition as related to medical nutrition therapy. Emphasizes nutrition assessment and the role of nutrition in preventing and treating disease/disorders; disease of the liver, pancreas, and gallbladder; pulmonary disease; renal disease; cancer; HIV/AIDS; allergies, pediatric disease; and metabolic disturbances.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Junior

Pre-Junior

Sophomore

Pre-Requisites: NFS 443 Minimum Grade: D

Repeat Status: Not repeatable for credit

**NFS 445 - Medical Nutrition Therapy III**

Third of a three-course sequence examining the interrelationships of physiology, biochemistry, and nutrition as related to severe/stressful conditions which require enteral or parenteral nutrition or other advanced medical nutrition therapies.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Junior

Pre-Junior

Sophomore

Pre-Requisites: NFS 444 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 446 - Perspectives World Nutrit

Examines world nutrition and food supply, including the nutritional status of various peoples, deficiency diseases, problems of food distribution, and other timely subjects.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Repeat Status: Not repeatable for credit

NFS 475 - Advanced Seminar in the Dietetics Profession

Reviews, evaluates, and synthesizes contemporary professional issues in dietetics.

Credits: 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Junior

Pre-Junior

Sophomore

Pre-Requisites: (NFS 154 Minimum Grade: D and NFS 203 Minimum Grade: D and NFS 400 Minimum Grade: D ) or (NFS 150 Minimum Grade: D and NFS 152 Minimum Grade: D and NFS 203 Minimum Grade: D and NFS 400 Minimum Grade: D )

Repeat Status: Not repeatable for credit

NFS 480 - Spec Studies Nutri & Food

Covers selected topics of interest. May be repeated for credit.

Credits: 12.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Repeat Status: Course can be repeated 99 time(s) for 998.90 credit(s)

NFS 494 - Senior Project I

First in a series of capstone courses in which student carry out the research process. In NFS 494, students work cooperatively to identify an applied, discipline oriented problem and then develop research hypotheses and a written research proposal in response to that problem.

Credits: 2.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must be enrolled in one of the following Major(s):

Nutrition and Food Science

Must have the following Classification(s):

Senior

Repeat Status: Not repeatable for credit

NFS 495 - Senior Project II

Second in a series of capstone course in which students carry out the research process. In NFS 495, students work cooperatively to carry out the research objectives according to the research proposal developed in NFS 494.

Credits: 2.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: NFS 494 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 496 - Senior Project III

Third in a series of capstone course in which students carry out the research process. In NFS 496, students work cooperatively to document the finding of their research in NFS 495. Students make oral and poster presentations as well as produce a written report of their research results.

Credits: 2.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: NFS 495 Minimum Grade: D

Repeat Status: Not repeatable for credit

NFS 497 - Research

Provides individual research in nutrition under faculty supervision.

Credits: 1.00 to 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Repeat Status: Course can be repeated 3 time(s) for 9.00 credit(s)

#### NFS 498 - Independent Study

Provides individual study or research in nutrition under faculty supervision.

Credits: 1.00 to 3.00

College: Nursing & Health Professions

Department: Nutrition Sciences

Restrictions:

May not be enrolled in one of the following Program Level(s):

Continuing Education

May not have the following Classification(s):

Freshman

Repeat Status: Course can be repeated 3 time(s) for 9.00 credit(s)

### Physiology Courses

#### PHGY 325 - Physiology

Presentation of organ function with emphasis on the integration of neural and humoral control mechanisms.

Credits: 5.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 101 Minimum Grade: D and ANAT 102 Minimum

Grade: D and ANAT 103 Minimum Grade: D

Repeat Status: Not repeatable for credit

#### PHGY 382 - Pathophysiology for Health Professions

Introduction to disturbances of normal function and basic mechanisms involved in diseases of major organ systems. Presentation of the general aspects of the common human pathophysiological conditions and syndromes.

Credits: 5.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Must be enrolled in one of the following Major(s):

Nursing (Online)

Pre-Requisites:

Repeat Status: Not repeatable for credit

### Radiologic Sciences Courses

#### RADI 100 - Introduction to Radiologic Technology

Content is designed to provide a fundamental background in ethics.

The student examines a variety of ethical issues and dilemmas found in clinical practice. An introduction to legal terminology, concepts and principles. Topics include malpractice, misconduct and the ASRT scope of practice.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### RADI 102 - Introduction to Radiologic Principles II

Introduction to Radiologic Principles II is a continuation of RADI 100 to include medical terminology. An orientation to the understanding of radiographic order and interpretation of diagnostic reports.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 100 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 132 - Radiologic Physics I

Radiologic Physics I begins with a review of basic mathematics and measurements, then proceeds to investigate the atom, electricity, magnetism electrostatics, electromagnetism, motors, and generators.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: MATH 100 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 133 - Radiologic Physics II

Radiologic Physics II provides a detailed study of the characteristics of X radiation, production of X radiation, the X-ray tube, and circuitry.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 132 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 150 - Principles of Radiographic Exposure I

Principles of Radiographic Exposure I provides an understanding of factors that govern and influence the production of radiographic images. Also presents accessory equipment and its effects on image quality.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

#### Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### RADI 153 - Principles of Radiographic Exposure II

This course is designed to familiarize the student with the pertinent factors involved in radiographic quality. Radiographic equipment involved in daily use is studied and applications to the clinical setting are made.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 150 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 154 - Radiographic Exposure III

A continuation of RADI 153 to include processing of radiographic films. Processing procedures and artifacts are discussed.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 153 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 164 - Radiologic Procedures I

A thorough presentation of positioning nomenclature, body planes, and anatomic terms, then proceeds to positioning technique for routine chest abdominal studies and the upper extremities.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### RADI 165 - Radiographic Procedures II

A continuation of RADI 164 to include lower extremities.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Co-Requisites: RADI 196

Pre-Requisites: RADI 164 Minimum Grade: C and RADI 195 Minimum

Grade: C

Repeat Status: Not repeatable for credit

#### RADI 166 - Radiographic Procedures III

A continuation of RADI 165 to include vertebral column and bony thorax.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 165 Minimum Grade: C and RADI 196 Minimum

Grade: C

Repeat Status: Not repeatable for credit

#### RADI 193 - Methods of Patient Care I

Discusses principles, techniques, and procedures of patient care with particular emphasis on nursing situations routinely encountered in the radiology department.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### RADI 194 - Methods of Patient Care II

This course is continuation of RADI 193. This course includes pediatrics, geriatrics, pharmacology, drug administration and alternative medical treatments.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 193 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 195 - Clinical Practicum I

Introduces the student to the Department of Diagnostic Radiology, including rotations through fluoroscopy, general radiology, trauma unit, and operating suite as well as some clerical areas.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Co-Requisites: RADI 150, RADI 164

Repeat Status: Not repeatable for credit

#### RADI 196 - Clinical Practicum II

Continues the clinical experience in the Department of Diagnostic Radiology. Allows students to continue to refine their clinical skills

through second rotations in areas of the department. Requires students to perform most examinations with direct supervision.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 195 Minimum Grade: C and RADI 164 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 197 - Clinical Practicum III

Gives the students the opportunity to strengthen their clinical skills.

Increases student independence as the course progresses, allowing them to move from direct supervision into areas of indirect supervision.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 196 Minimum Grade: C and RADI 165 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 198 - Clinical Practicum IV

Clinical Practicum IV provides students indirect supervision and greater responsibility for patients and equipment. Begins rotations through specialty areas such as radiation therapy, computed tomography, and MRI.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 197 Minimum Grade: C and RADI 154 Minimum Grade: C and RADI 166 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 200 - Radiologic Procedures IV

Skull radiography to include facial bones and orbits, mandible, sinuses and salivary glands. Contrast studies of the urinary upper and lower intestinal tract.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 166 Minimum Grade: C and RADI 198 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 201 - Medical Imaging

Medical Imaging surveys the various modes of imaging and recording radiographic examinations, including fluoroscopy, computed tomography, ultrasound, digital subtraction, magnetic resonance and digital and PAC's systems.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Repeat Status: Not repeatable for credit

#### RADI 202 - Radiologic Procedures V

Continuation of RADI 200 to include an overview of CAT scan, MRI and ultrasound Trauma radiology and special procedures are included in this course.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 200 Minimum Grade: C and RADI 291 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 203 - Principles of Exposure IV

Presents a complete review of exposure factors including an investigation of the theory and application of these factors as they relate to body habitus, tissue absorption and pathological changes.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 154 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 204 - Principles of Radiation Protection

Principles of Radiation Protection provides a detailed study of the procedures and devices developed for maximum protection of patients and personnel from radiation. Discusses government agencies along with their standards and regulations.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 133 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 215 - Radiation Biology

Presents the effects of radiation on cells and the factors affecting cell response. Discusses somatic and genetic effects, both acute and chronic.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 221 - Quality Assurance

Introduces the evaluation of radiographic systems to ensure consistent production of quality images. Explains test procedures for evaluating equipment and discusses state and federal regulations.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 154 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 222 - Pathology

Surveys the nature and causes of medical-surgical diseases, with emphasis on the radiographic considerations of disease processes.

Credits: 3.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: ANAT 103 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 223 - Registry Review

Prepares the radiologic technology student to sit for the American Registry of Radiologic Technology Examination.

Credits: 1.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Co-Requisites: RADI 221, RADI 293

Pre-Requisites: RADI 292 Minimum Grade: C and RADI 204 Minimum Grade: C and RADI 202 Minimum Grade: C and RADI 201 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 291 - Clinical Practicum V

Second year course providing a transition into the clinical environment. Gives students indirect supervision and greater responsibility for

patients and equipment. Begins rotation through specialty areas such as radiation therapy, computed tomography.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 198 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 292 - Clinical Practicum VI

Continues the clinical experience in general areas as well as specialty areas of diagnostic imaging. Requires students to perform examinations with indirect supervision.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 291 Minimum Grade: C and RADI 200 Minimum Grade: C

Repeat Status: Not repeatable for credit

#### RADI 293 - Clinical Practicum VII

The final clinical experience, in which students work to perfect all clinical skills. Includes final-competency testing.

Credits: 2.00

College: Nursing & Health Professions

Department: SHP - Radiology Techn

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: RADI 292 Minimum Grade: C and RADI 202 Minimum Grade: C

Repeat Status: Not repeatable for credit

### Statistics Courses

#### STS 345 - Statistics for the Health Sciences

Covers statistical measures; binomial, normal, t, F, and chi-square distributions; elementary probability theory; quality control; and hypothesis testing with an emphasis on application to the health-care professions.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following College(s)/School(s):  
Nursing & Health Professions

Repeat Status: Not repeatable for credit

#### STS 350 - Advanced Statistics for Clinical Science

This course focuses on the statistical methods that are appropriate for clinical research. The subject of medical research and common clinical

trials designed are introduces. The use of NCSS and SAS statistical software is initiated during a review of basic statistic methods. Advanced statistical methods used in clinical trials are also covered.

Credits: 4.00

College: Nursing & Health Professions

Department: Health Sciences

Restrictions:

Must be enrolled in one of the following Program Level(s):

Undergraduate Quarter

Pre-Requisites: STS 345 Minimum Grade: D

Repeat Status: Not repeatable for credit