MUAP 331. Applied Harp Lessons. 2-3 credits.
Applied Harp Lessons for music majors. Weekly 1 hour lessons.

MUAP 332. Applied Jazz Study, Level 5-8. 2-3 credits.
Applied study of jazz performance techniques on a student's major instrument. The student may be assigned to a professor whose major instrument differs from the student's major instrument. One hour lesson per week. Students who have not yet been accepted into the Jazz Studies major may elect to take Applied Jazz Study for 2 credit hours per semester in order to prepare for the audition. Students accepted into the Jazz Studies Track will register for 3 credit Applied Jazz Study each semester.

MUAP 344. Chamber Orchestra. 1 credit. Offered fall and spring.
Open to all university students. Membership is determined by audition. Music written for chamber orchestra from all periods is studied and performed.

MUAP 345. Symphony Orchestra. 2 credits. Offered fall and spring.
The JMU Symphony Orchestra is a participating member of the American Symphony Orchestra League. Membership is determined by audition and is open to all university students. Literature performed is from the standard symphonic repertoire.

MUAP 346. Wind Symphony. 2 credits. Offered fall and spring.
The JMU Wind Symphony is a highly select group of brass, woodwind and percussion students who are dedicated to the performance of wind orchestra music and chamber music for winds. The ensemble performs music from all periods and is open to any university student by audition in the fall of each academic year.

MUAP 347. Jazz Ensemble. 2 credits. Offered fall and spring.
Instrumental music performance ensemble of the standard "big band" instrumentation whose repertoire reflects jazz styles from the swing era to contemporary jazz. Admission is by audition.

MUAP 348. Jazz Band. 1 credit. Offered fall and spring.
Instrumental ensemble, performing the standard and contemporary repertoire of American music with emphasis on the jazz idiom. Jazz band is open to all JMU students by audition.

MUAP 350. String Ensemble. 1 credit. Offered fall and spring.
A rehearsal and performance ensemble where students of similar technical and musical ability are grouped in traditional string or piano trios, quartets and quintets and present public performances of important compositions from the chamber music literature of all historical periods.

MUAP 351. Woodwind Ensemble. 1 credit. Offered fall and spring.
Woodwind ensembles consisting of quintets or other smaller and larger combinations, limited to specially selected personnel through auditions. Concerts and other performances are prepared from a variety of literature from the classical period to the present.

MUAP 352. Brass Band. 1 credit. Offered fall and spring.
Open to all university students by audition. A select brass and percussion ensemble limited to the standard instrumentation of the "British-style" brass band. The ensemble performs literature of all styles from the extensive brass band tradition. The band typically participates in the annual NABBA Championships.

MUAP 353. Guitar Ensemble. 1 credit. Offered fall and spring.
The performance of guitar music from Renaissance to 20th century for duos, trios and quartets.

MUAP 354. Percussion Ensemble. 1 credit. Offered fall and spring.
The study and preparation for public performance of percussion ensemble literature. The ensemble is open to all university students by audition.

MUAP 355. Jazz Chamber Ensemble. 1 credit. Offered fall and spring.
Open by audition to students demonstrating a high degree of skill in jazz improvisation. Concerts and other performances are prepared from a variety of literature from early jazz to the present day.

MUAP 360. Opera/Music Theatre Orchestra. 1 credit. Offered fall and spring.
This ensemble will serve as the accompanying ensemble for staged productions within the School of Music and the School of Theatre and Dance. Enrollment in this course will be open to all students at the university by audition.

MUAP 362. Brass Chamber Ensembles. 1 credit. Offered fall and spring.
Brass chamber ensembles consisting of quartets, quintets or larger combinations, limited to specially selected personnel through auditions. Concerts and other performances are prepared and presented from literature spanning the Renaissance to the present day. Prerequisite: Permission of instructor.

MUAP 364. Camerata Strings. 1 credit. Offered spring.
Camerata Strings is a select instrumental string ensemble that performs a broad range of string ensemble literature from the 1600s to the present.

The ensemble is open to any student of the university through competitive auditions held at the start of each spring semester. Prerequisite: Participants must complete competitive auditions at the start of the spring semester and, based on audition outcomes, be offered membership by the Music Director of the ensemble.

MUAP 380. Collegium Musicum. 1 credit. Offered fall.
The Collegium Musicum is a select vocal/instrumental ensemble dedicated to the historically-informed performance of early music (music composed before ca. 1700). Repertoire includes major works primarily of the Renaissance and early Baroque era. Membership is by audition or invitation. May be repeated for credit.

Vocal
MUAP 234. Men's Chorus. 1 credit. Offered fall and spring.
Performs music of various styles but with primary focus on the lighter genres. It is open to the entire male student body without audition. The director reserves the right to limit membership because of balance or space considerations.

MUAP 235. Treble Chamber Choir. 1 credit. Offered fall and spring.
This is an advanced level chamber chorus for women and male countertenors interested in a small choral ensemble experience. Open to all majors, and auditioned at the beginning of every semester, this choir frequently performs off campus as well. Contact the director of choral activities for more information.

MUAP 236. Women's Chorus. 1 credit. Offered fall and spring.
Performs music of various styles but with primary focus on the lighter genres. It is open to the entire female student body without audition. The director reserves the right to limit membership because of balance or space considerations.

MUAP 340. Chorale. 1 credit. Offered fall and spring.
A highly selected, 80-voice mixed choir that performs repertoire from the Renaissance to the contemporary era, both sacred and secular. There are opportunities to perform off and on campus. Membership is by audition.

MUAP 341. Madison Singers. 2 credits. Offered fall and spring.
Madison Singers is a highly select choral chamber ensemble that performs the best of representative choral music from the Renaissance to the present. The ensemble is open to any university student by audition in the fall of the academic year.

MUAP 343. Opera Theatre. 1-2 credits. Offered fall and spring.
The preparation and public performance of grand opera, light opera and musicals. Work will include coaching of both music and acting. Credit may vary with permission of the instructor depending on the amount of time commitment. Admission is by audition only.

Piano
MUAP 357. Piano Accompanying and Piano Ensemble. 1 credit. Offered fall and spring.
A course in basic accompanying skills and style characteristics required for two semesters (one fall, one spring) of all piano majors. Students will be assigned to vocal or instrumental studios and have the opportunity to perform in master class and private coaching sessions.

Nonprofit Studies

Department of Social Work
NPS 300. Introduction to Nonprofits. 3 credits. Offered fall and/or spring.
An introduction to the development of the nonprofit sector in the American context exploring history, theories, legal issues, governance and ethical considerations. Global nonprofits are also explored. Provides a foundation for subsequent work in the nonprofit studies minor. Prerequisite: Sophomore standing with a declared major.

NPS 320. Nonprofit Management. 3 credits. Offered fall and/or spring.
A study of organizational and management functions in the nonprofit sector. Examination of the unique role of volunteers, boards and public relations in the nonprofit environment. Prerequisites: NPS 300 and junior status.

NPS/FAM/GERN/SOWK 375. Grant Writing for Agencies. 3 credits.
Offered on a rotating basis.
Emphasizing active learning, this course teaches the basics of grant and proposal writing. Efficient research, persuasive prose and the importance of relationships are stressed. Private and corporate philanthropy and government grants are examined.

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NFS 400. Internship/Practicum in Nonprofit Studies. 4 credits. (225 hours in agency, 6 credits (400 hours in agency). Offered fall, spring and summer.

Supervised internship/practicum experience in a nonprofit organization setting that allows experimental learning and practice experiences. A research or applied paper, learning journal and presentation based on the experience are required. Prerequisites: NFS 300, NFS 320 and discipline elective. Offered fall and spring.

NFS 450. Nonprofit Studies Capstone Seminar. 3 credits. Offered spring.

The capstone seminar is designed to integrate and apply knowledge from the student's major and the nonprofit studies minor. A substantial, individualized project will strengthen the student's capabilities in research and/or applied knowledge, information access, and self-directed learning. Prerequisites: NFS 300, NFS 320, NFS 400 and discipline elective. Related elective may be taken concurrently.

NFS 487. Special Topics in Nonprofit Studies. 3 credits. Offered when needed.

Examination of selected topics in nonprofit studies that are of current importance in the nonprofit arena. Course may be repeated for credit. Prerequisites: NFS 300 or permission of the instructor.

NFS 490. Special Studies in Nonprofit Studies. 1-3 credits.

This course is designed to provide capable nonprofit studies minors an opportunity to complete independent study under faculty supervision. Course may be repeated for credit. Prerequisites: NFS 300, NFS 320 and one additional course in the minor or permission of the instructor.

Nursing

Department of Nursing

NSG 310. Helping Persons in Pain. 2 credits. Offered fall and summer.

This course, open to students from all majors, is an examination of pain, its impact on people, causes, treatments and the role of health professionals. Emphasis is on understanding how people experience pain and its effect on quality of life.

NSG 311. End of Life Care. 1 credit. Offered spring.

Classroom-based exploration of the care of people at the end of life from a multi-disciplinary, holistic perspective. Learning activities include guest speakers, critique of assigned readings, essay and case studies. Students from any related health care major, first year students through seniors are welcome.

NSG 313. Issues and Applications of Family Caregiving. 1-2 credits.

Offered fall, spring and summer.

Students from any major engage in service learning with clients and staff of Caregivers' Community Network, a program of information, companion care and support for family caregivers. Hours are flexible and activities are tailored to student interests.

NSG/HTH/HHS/SOWK 314. Rural Health: An Interdisciplinary Approach. 3 credits. Offered May.

Students study, observe and participate in interdisciplinary assessment, planning and delivery of community-based primary health care in partnership with residents and agencies of a host rural county. Learning activities will emphasize rural culture, rural health care and interdisciplinary practice.

NSG 316. The Working Poor. 1 credit. Offered spring.

While addressing the needs of the uninsured working poor, this course will provide a broad overview of this vulnerable population in our country today with a strong emphasis placed addressing the health care needs of uninsured workers. Open to students from any major.

NSG 317. History of Nursing. 1 credit. Offered fall and spring.

An elective nursing course that explores fundamental aspects of nursing history including pertinent nursing founders and leaders as well as examination of the many influences that have shaped the nursing profession. Review of nursing within its historical context provides an opportunity to consider changes for the future.

NSG 318. Prenatal care: Caring for Mom from Conception to Delivery. 1 credit. Offered spring.

This course is designed to develop an understanding of the need for prenatal care. Prenatal care helps reduce the incidence of the perinatal illness, disability and death by providing health advice and identifying and managing medical and psychosocial conditions and risk factors that can affect the health of the pregnant woman and her child. The course will focus on a healthy lifestyle for the pregnant woman and the knowledge base she will need to implement that healthy lifestyle. Emphasis is placed on nutrition, exercise, diet and antenatal testing that is a part of prenatal care.

NSG 319. Infants, Children and Adolescents. 1 credit. Offered spring.

This elective course, open to students from all majors, explores select contemporary topics about infants, children and adolescents. This course is tailored to include topics which are of interest to the students and have a significant impact on the infant, child or adolescent. Topics will be studied from varied viewpoints and how the topic impacts the infant, child, and/or adolescent and their family.

NSG 321. Introduction to Client Education. 2 credits. Offered once a year.

The student will explore and apply learning theory and teaching strategies to improve health care education. Factors are analyzed to design and develop client education materials using available technologies to teach clients to maintain optimal health, prevent acute or chronic disease and disability. Student-developed materials will assist clients to increase independence and improve their quality of life. Students will explore evaluation strategies to measure teaching effectiveness.

NSG 322. Cardiovascular Health and Illness. 1 credit. Offered fall and spring.

In this course risk factors associated with cardiovascular disease will be highlighted. Lifestyle changes, prevention and treatment strategies will be reviewed. Students will learn effective skills for teaching patients about cardiovascular health and illness. Students will have the opportunity to review case studies identifying risk factors and learn successful teaching strategies. The course will emphasize and promote student and patient understanding of cardiovascular disease.

NSG/PEF 324. Healthcare Informatics. 2 credits. Offered fall and spring.

This course focuses on the nature and functions of present and future application of health care informatics. Emphasis is on preparing current and future health care professionals to plan, design and collaborate with other health care disciplines and utilize healthcare informatics for effective health care delivery, health organizational management and improved client outcomes. Prerequisite: Minimum of sophomore standing.

NSG 325. Concepts in Aging. 3 credits. Offered fall.

This web-enhanced course is divided into eight modules and examines the physiological, psychosocial, cognitive, legal and ethical aspects of aging within a holistic context. A focus is on the issues that surround the concepts of aging and how the ethical aspects of care relate to the utilization of resources. Prerequisite: Admission to RN-BSN program.

NSG 326. Care and Consideration for Children with Special Needs. 3 credits. Offered fall and spring.

Open to students from any major. This course combines in class speakers/discussion with hands-on service learning. By providing respite care in the home to families with special needs children, students will gain insight into a variety of topics related to working with these families and how the disability affects the family.

NSG 327. Disaster Nursing. 3 credits. Offered fall and spring.

This elective course is designed as an opportunity for students to acquire knowledge and skills in the fundamentals of disaster preparedness. The student will be prepared as a Red Cross volunteer for disaster service locally or nationally and will be Red Cross certified in selected areas.

NSG 328. Life, Death and the Dash Between. 1 credit. Offered fall and spring.

This course focuses on preparing the student to give patient-centered end-of-life care. Using a variety of learning methods, the student will examine theories and case models, and will discuss current topics surrounding death and dying, including social, cultural, ethical, spiritual and legal issues.

NSG 329. Best Practices in Diabetes Care. 2 credits.

This elective course develops a basic understanding of the current practices related to diabetes care and the impact of a diabetes diagnosis on the individual, family and community. The content is centered around the American association of Diabetes Educators (AADE) 7 Self-Care Behaviors: healthy eating, being active, monitoring, taking medications, problem solving, healthy coping and reducing risks.

NSG 333. Health Assessment. 3 credits.

This course is designed to develop knowledge and skills necessary to gather, organize and present relevant health data. Emphasis is placed on systematic strategies, frameworks and skills used to conduct both comprehensive and need-specific health assessments for individuals in the context of their family and community.

NSG 350. Foundations of Nursing. 3 credits. Offered every semester.

This course provides an overview of foundational principles of professional nursing practice. Students will be introduced to the evolution of nursing, basic nursing theory and knowledge, and beginning concepts. This course promotes self-analysis and socialization into the role of the professional nurse.
NSG 351. Health Assessment. 3 credits. Offered every semester.
This course develops knowledge and skills necessary to gather, organize, and present relevant health data that includes wellness and illness considerations across the life cycle. Emphasis is placed on systematic strategies, frameworks, and skills used to conduct both comprehensive and need-specific health assessments for individuals in the context of their family and community.
Prerequisite: Formal acceptance into the Nursing Program.

NSG 352. Clinical Applications and Reasoning In Nursing Care I. 4 credits. Offered every semester.
Through didactic learning, students learn theories, rationale, and principles underlying the application of acute care skills in nursing practice. In the laboratory, students will practice and demonstrate mastery of selected skills. In the clinical setting, students will apply knowledge through clinical reasoning in planning and facilitating nursing care for patients and their families. Corequisite: NSG 352L. Prerequisite: Formal acceptance into the Nursing Program.

NSG 352L. Clinical Applications and Reasoning In Nursing Care I Clinical. 2 credits. Offered every semester.
This course is designed to provide an overview of current issues relevant to the art and science of the practicing nurse. This course will provide the student with a concentrated focus on the role of the professional nurse and the nursing profession. The course explores nursing theory, health care models of practice, diversity issues, as well as legal and ethical realities within the healthcare delivery system.

NSG 353. Pharmacology. 3 credits. Offered every semester.
This course is a comprehensive examination of the principles of pharmacology. An emphasis will be placed on the mechanisms of actions, adverse effects, dosage calculations, drug interactions and implications for nursing practice.

NSG 354. The Art & Science of Nursing. 2 credits. Offered every semester beginning spring 2013.
This course develops synthetic concepts and principles utilized in health promotion, risk reduction and critical reasoning in the management of women's health care. Areas of focus include women's health issues, perinatal care of mothers and infants, and gynecological health. Clinical experiences provide students with opportunities to apply evidence based practice for women/newborn/family units of diverse cultural backgrounds. Corequisite: NSG 355L. Prerequisites: NSG 350, NSG 351, NSG 352, NSG 352L and NSG 353.

NSG 355. Women's Health. 3 credits. Offered every semester beginning spring 2013.
This course promotes synthesis of concepts and principles utilized in health promotion, risk reduction and critical reasoning in the management of women’s health care. Areas of focus include women’s health issues, perinatal care of mothers and infants, and gynecological health. Clinical experiences provide students with opportunities to apply evidence based practice for women/newborn/family units of diverse cultural backgrounds. Corequisite: NSG 355L. Prerequisites: NSG 350, NSG 351, NSG 352, NSG 352L and NSG 353.

NSG 355L. Women's Health Clinical. 1 credit. Offered every semester beginning spring 2013.
This course promotes synthesis of concepts and principles utilized in health promotion, risk reduction and critical reasoning in the management of women's health care. Areas of focus include women's health issues, perinatal care of mothers and infants, and gynecological health. Clinical experiences provide students with opportunities to apply evidence based practice for women/newborn/family units of diverse cultural backgrounds. Corequisite: NSG 355L. Prerequisites: NSG 350, NSG 351, NSG 352, NSG 352L and NSG 353.

NSG 356. Clinical Applications and Reasoning In Nursing Care II. 4 credits. Offered every semester beginning spring 2013.
This course focuses on pathophysiologic and pharmacologic concepts and principles of nursing process, health promotion, risk reduction, clinical decision making, and collaborative management of care for adults experiencing moderate to severe health alterations. Students will apply concepts, theories and skills in the nursing care of adults. Corequisite: NSG 356L. Prerequisites: NSG 350, NSG 351, NSG 352, 3 NSG 52L and NSG 353.

NSG 356L. Clinical Applications and Reasoning In Nursing Care II Clinical. 2 credits. Offered every semester beginning spring 2013.
This course focuses on pathophysiologic and pharmacologic concepts and principles of nursing process, health promotion, risk reduction, clinical decision making, and collaborative management of care for adults experiencing moderate to severe health alterations. Students will apply concepts, theories and skills in the nursing care of adults. Corequisite: NSG 356L. Prerequisites: NSG 350, NSG 351, NSG 352, NSG 352L and NSG 353.

NSG 357. Psychiatric Mental Health Nursing. 3 credits. Offered every semester beginning spring 2013.
This course examines the pathophysiology, psychosocial manifestations, psychopharmacological and psychiatric mental health nursing treatment of selected mental illnesses. Analysis of the role and practice of psychiatric mental health nursing both as a nursing specialty and as an integral facet of general nursing are emphasized. Corequisite: NSG 357L. Prerequisites: NSG 350, NSG 351, NSG 352, NSG 352L and NSG 353.

NSG 357L. Psychiatric Mental Health Nursing Clinical. 1 credit. Offered every semester beginning spring 2013.
This course examines the pathophysiology, psychosocial manifestations, psychopharmacological and psychiatric mental health nursing treatment of selected mental illnesses. Analysis of the role and practice of psychiatric mental health nursing both as a nursing specialty and as an integral facet of general nursing are emphasized. Corequisite: NSG 357L. Prerequisites: NSG 350, NSG 351, NSG 352, NSG 352L and NSG 353.

NSG 390. Impact of Chronic Illness. 3 credits. Offered fall and spring.
This course will explore core concepts of chronic illness across the lifespan from an interdisciplinary perspective. Epidemiology, economics, ethics, culture, family and policy will be emphasized. These topics and concepts will be related to model(s) of chronic care.

NSG 391. Living Successfully with Chronic Illness. 3 credits. Offered fall and spring.
This course will examine models and strategies that aid individuals to live successfully with chronic illness. An interdisciplinary evidence-based approach will be used to investigate how outcomes may be improved through the individual’s integration of lifestyle changes within the context of culture and family.

NSG 450. Nursing Research. 3 credits. Offered every semester.
This course explores the research process and utilization of research and theory in evidence based professional nursing practice. It also explores the dissemination and utilization of research in nursing practice. Students learn to critique healthcare literature in order to answer a research question that would impact nursing practice. Prerequisite: Formal acceptance into the Nursing Program.

NSG 451. Child Health. 3 credits. Offered every semester.
This course promotes the development of knowledge, skills and the ability to care for children including those with acute and chronic illnesses/conditions. Learning will focus on the unique healthcare needs of children with emphasis on family centered care. Students will apply knowledge through clinical reasoning in planning and facilitating nursing care for children and families. Corequisite: NSG 451L. Prerequisites: NSG 355, NSG 355L, NSG 356, NSG 356L, NSG 357 and NSG 357L.

NSG 451L. Child Health Clinical. 2 credits. Offered every semester.
This course explores current factors that impact the transition from student to the licensed professional nurse. The student will have the opportunity to examine and apply leadership and management principles in acute and chronic healthcare settings with a focus on safe, ethical, and quality patient care. Students will use an interprofessional approach to coordinate care for a group of patients. Corequisite: NSG 451. Prerequisites: NSG 355, NSG 355L, NSG 356, NSG 356L, NSG 357 and NSG 357L.

NSG 452. Clinical Applications and Reasoning in Nursing Care III. 4 credits. Offered every semester.
This course focuses on the integration of complex pathophysiological and pharmacological concepts and principles for adults experiencing moderate to severe health alterations. Students will apply the nursing process to promote health and safety, to augment clinical reasoning and clinical decision making, and to integrate interprofessional collaboration in the care of patients. Prerequisites: NSG 352, NSG 352L, NSG 356 and NSG 356L.

NSG 452L. Population-Centered Care in the Community. 2 credits. Offered every semester.
In this course, students develop the knowledge, skills, and ability to conduct and interpret systematic assessments of families and vulnerable groups in community settings. The impact of increasing societal and cultural changes across the life span will be emphasized. Theoretical concepts of community-based health promotion and disease prevention of vulnerable populations will be presented emphasizing Healthy People 2020 objectives. Corequisite: NSG 453L. Prerequisites: NSG 355, NSG 355L, NSG 356, NSG 356L, NSG 357, NSG 357L.

NSG 453L. Population-Centered Care in the Community Clinical. 2 credits. Offered every semester.
In this course, students develop the knowledge, skills, and ability to conduct and interpret systematic assessments of families and vulnerable groups in community settings. The impact of increasing societal and cultural changes across the life span will be emphasized. Theoretical concepts of community-based health promotion and disease prevention of vulnerable populations will be presented emphasizing Healthy People 2020 objectives. Corequisite: NSG 453L. Prerequisites: NSG 355, NSG 355L, NSG 356, NSG 356L, NSG 357, NSG 357L.

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Prerequisite: Admission to RN-BSN program.

This course explores current factors that impact the transition from student to the licensed professional nurse. The student will have the opportunity to examine and apply leadership and management principles in acute and chronic healthcare settings with a focus on safe, ethical, and quality patient care. Students will use an interprofessional approach to coordinate care for a group of patients. Corequisite: NSG 454. Prerequisites: NSG 355, NSG 356, NSG 357L, NSG 358L, NSG 359L, NSG 450, NSG 451L, NSG 452, NSG 453 and NSG 453L.

NSG 454L. Transition to Practice Clinical. 2 credits. Offered every semester.

This course explores current factors that impact the transition from student to the licensed professional nurse. The student will have the opportunity to examine and apply leadership and management principles in acute and chronic healthcare settings with a focus on safe, ethical, and quality patient care. Students will use an interprofessional approach to coordinate care for a group of patients. Corequisite: NSG 454. Prerequisites: NSG 355, NSG 356, NSG 356L, NSG 357, NSG 357L, NSG 358, NSG 359, NSG 450, NSG 451, NSG 451L, NSG 452, NSG 453 and NSG 453L.

NSG 455. Nursing Informatics. 2 credits. Offered every semester.

This course explores nursing informatics and technology applications in health care. Emphasis is on preparing entry level nurses with core nursing informatics competencies. A major theme is the use of information systems and technologies to improve the quality and safety of patient care in a changing health care environment. Students will develop their nursing informatics knowledge and skills through reading, discussions, exploration, and utilization of electronic modalities. Prerequisite: Formal acceptance into the Nursing Program.

NSG 456. Capstone. 5 credits. Offered every semester.

This course is a focused nursing practicum under the direct supervision of clinical nurse preceptors. The purpose of the capstone experience is to facilitate student development in time management, critical thinking, assessment, clinical reasoning, documentation and psychomotor skills. Prerequisites: NSG 355, NSG 356L, NSG 358L, NSG 357, NSG 357L, NSG 450, NSG 451, NSG 451L, NSG 452, NSG 453 and NSG 453L.

NSG 460. Healthcare Informatics. 2 credits.

This course focuses on the nature and functions of present and future application of health care informatics. Emphasis is on preparing current and future health care professionals to plan, design, collaborate with other health care disciplines, and utilize healthcare informatics for effective health care delivery, health organizational management and improved client outcomes. Prerequisite: Admission to RN-BSN program.

NSG 461. Pathophysiology and Pharmacology. 4 credits.

This course, offered for RN-BSN program students, provides an examination of complex physiologic responses and clinical sequel in major body systems in relation to pathologic processes. Emphasis is placed upon physiologic compensation and defense responses. Pharmacologic management of pathology is investigated. Prerequisite: Admission to RN-BSN program.

NSG 462. Issues in Contemporary Nursing Practice. 3 credits.

This course, offered for RN-BSN program students, examines issues and trends of greatest concern to professional nursing practice today. Historical, societal, political, and economic influence and future trends will be explored. Legal and ethical dimensions of nursing will be discussed. A seminar format will be used emphasizing professional presentation of issues. Prerequisite: Admission to RN-BSN program.

NSG 463. Professional Role Transition. 3 credits.

This course, offered for RN-BSN program students, expands the students current knowledge of concepts related to nursing theory, nursing image and professional role development at the BSN level. Emphasis will be placed upon leadership and management skill development at the personal level. Seminar format will be used. Prerequisite: Admission to RN-BSN program.

NSG 464. Introduction to Nursing Research. 3 credits.

This course, designed for RN-BSN students, will focus on the study of research methods that generate quantitative and qualitative data. Students will examine the research process with an emphasis on critique of research methodology and application of research findings to nursing practice. Prerequisite: Admission to RN-BSN program.

NSG 466. Community Health Practicum. 1 credit.

This practicum, for RN-BSN students, transitions practice into the BSN role through mentored clinical experiences at selected community sites. Emphasis is on collaborative nursing care with individuals, families and groups within the community. Experiences include concepts of health promotion and disease prevention and management of acute or chronic illness. Prerequisite: Admission to RN-BSN program.

NSG 469. Caring for the Public’s Health: Community Health Nursing. 3 credits.

This course provides RN to BSN students a perspective of professional nursing at the community level of practice. Course content will provide an overview of specific issues and societal concerns that affect community health nursing practice including historical impact of public health, epidemiology, health promotion and disease prevention; vulnerable populations; communicable disease risk and prevention; and diversity of the role of the community health nurse. Prerequisite: Admission to RN-BSN program.

NSG 471. Leadership and Management in Health Care. 3 credits.

This course, offered for the RN to BSN program, focuses on healthcare organizations, leadership theories and management style, organizational change, quality management, fiscal and economic issues, personnel management, and accreditation standards. Prerequisite: NSG 463.

Nutrition

Department of Health Sciences

NUTR 280. Nutrition for Wellness. 3 credits. Offered fall and spring.

Students will study the impact of nutrition on wellness by learning nutrients, their functions in the human body, food sources and appropriate intake levels. Controversies surrounding use of various nutrients for improvement of health and well-being will be discussed.

NUTR 295. Foundations of Nutrition Practice. 2 credits. Offered fall and spring.

An introduction to the profession of dietetics, credentialing processes in nutrition/dietetics, careers available in the field and some basic skills needed for the profession.

NUTR 340. Science of Food Preparation. 3 credits. Offered fall.

This course explores the chemical composition of food, physical and chemical changes in food associated with household and industrial preparation techniques, definition of standard products, and appropriate assessment techniques for judging food quality. Laboratory component provides opportunity to judge foods prepared by different techniques. Prerequisites: Admission to the dietetics major; CHEM 131 or equivalent.

NUTR 360. Management in Dietetics. 3 credits. Offered spring.

Application of management concepts, theories and principles to dietetics with a focus on the work environments (clinical and foodservice) in which registered dietitians must effectively practice. Prerequisite: Admission to the dietetics major.

NUTR 362. Food Service Systems. 3 credits. Offered spring.

An integration of menu planning, food procurement, equipment selection and layout to provide quality food service in a variety of food systems. Prerequisites: Admission to the dietetics major.

NUTR 383. Quantity Food Production (1, 6). 3 credits. Offered fall and spring.

The principles of quantity food production and service are studied. Prerequisite: Admission to the dietetics major.

NUTR 380. Global Nutrition. 3 credits. Offered fall and spring.

A study of food habits from around the world and their contributions to nutritional adequacy. Factors affecting global food consumption behaviors including sociocultural practices, religion, health beliefs, agricultural practices, economics, politics and education are explored.

NUTR 382. Sports Nutrition. 3 credits. Offered fall.

A study of the relationship of nutrition and athletic performance. Identification of the effects of age, sex, body build, environment and state of health on energy needs and energy sources during physical activity. Prerequisite: NUTR 280.


This course introduces nutrition as a disease therapy and the role of the clinical dietitian as a member of the health care team. Topics covered include nutrition screening and assessment, medical records documentation, basic dietary modifications and patient/family counseling. Prerequisites: Admission to the dietetics major; NUTR 340 and NUTR 395.

NUTR 385. Nutrition Throughout the Life Cycle. 3 credits. Offered spring.

A study of the nutritional needs throughout the life cycle and the development of food habits. Nutrition assessment and nutrition education from prenatal health through infancy, childhood, adolescence, adulthood and old age are emphasized. Prerequisite: Admission to the dietetics major.

NUTR 386. Community Nutrition. 3 credits. Offered fall.

A study of human nutrition and health problems from a community perspective, programs and policies related to nutrition at local, state and federal levels including preventive nutrition or wellness and approaches to...
and techniques for effective application and dissemination of nutrition knowledge in the community. Prerequisite: Admission to the dietetics major.

NUTR 395. Introduction to Patient Care in Dietetics. 2 credits. Offered fall. A study of the concepts of patient care in dietetics, skills needed for Medical Nutrition Therapy and the dietitian’s role on the health care team. Prerequisites: Admission to the dietetics major and NUTR 280.

NUTR 446. Experimental Foods (1, 4). 3 credits. Offered spring. An introduction to research in foods. Different techniques of food preparation are studied and evaluated for the most acceptable methods to obtain standard food products. Prerequisites: Admission to the dietetics major; NUTR 340, organic chemistry and statistics.

NUTR 455/ KIN 424. Theories and Practices of Weight Management. 3 credits. Offered fall and spring. An examination of the physiological, psychological and environmental theories of obesity. Current trends in obesity research are emphasized. A case study and laboratories are used to provide students with practical experience in constructing a weight management program. Prerequisite: BIO 270, BIO 290, NUTR 280 or permission of the instructor.

NUTR 460. Computer Systems for Foods and Nutrition. 3 credits. Offered spring. Introduction to food and nutrition computer systems. Emphasis is placed on the role of computers in nutritional assessment, food service administration, nutrition education and food technology. Prerequisites: NUTR 360 and successful completion of the Tech Level I test.

NUTR 482. Nutrition and Metabolism (2, 2). 3 credits. Offered fall. A study of the nutrients, their roles in intermediary metabolism, the effects of genetic errors in metabolism, nutritional deficiencies and means of assessing nutritional status. Agencies and programs concerned with nutrition and health and current trends in nutrition research are emphasized. Prerequisites: Admission to the dietetics major; CHEM 222 and MATH 220. Prerequisite or corequisite: BIO 290.

NUTR 484. Clinical Nutrition II (2, 2). 3 credits. Offered spring. A study of the use of diet in preventing illness and as a means of treating disease. Emphasis is given to patient education. Prerequisites: Admission to the dietetics major; NUTR 384 and NUTR 482.

NUTR 490. Field Experience in Dietetics. 3 credits. Offered summer. Students participate in field experience relating to their major area of dietetics and their career goals under the coordination of a dietetics faculty member. On-the-job supervision will be provided by the participating hospital dietitians. Prerequisites: Admission to the dietetics major; NUTR 394, NUTR 395. Application for enrollment must be completed through the course instructor in the fall semester prior to the summer in which it will be taken.

NUTR 495. Senior Seminar in Dietetics. 2 credits. Offered fall. Students will be introduced to research in dietetics and conduct a senior research project. The Code of Ethics and Standards of Practice of the American Dietetic Association will be investigated, and students will prepare for their postgraduate dietetic internship. Prerequisite: Admission to the dietetics major.

NUTR 496. Special Studies in Nutrition/Dietetics. 1-3 credits. Offered fall and spring. This course is designed to give the student in dietetics an opportunity to complete independent study, professional conference participation and/or research under faculty supervision. Prerequisite: Permission of the coordinator of the dietetics program.

NUTR 499. Honors. 5 credits. Offered fall and spring. Year course.

Persian

Department of Foreign Languages, Literatures and Cultures

PERS 101. Elementary Persian I. 4 credits. Offered fall. The fundamentals of Persian through listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. One hour’s work a week in the language laboratory. Student will receive no credit for course if he/she has had two or more years of the language in high school.

PERS 102. Elementary Persian II. 4 credits. Offered spring. The fundamentals of Persian through a higher level of listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. One hour’s work a week in the language laboratory. If student has had two or more years of the language in high school he/she will not receive credit for the course. Prerequisite: PERS 101.

PERS 231. Intermediate Persian I. 3 credits. Offered fall. A thorough review of first year grammar and vocabulary building. Conversation, composition and reading will be chosen to reach competency at the lower intermediate level.

PERS 232. Intermediate Persian II. 3 credits. Offered spring. A thorough review of PERS 231 grammar and vocabulary building. Conversation, composition and reading will be chosen to reach competency at the advanced intermediate level. Prerequisite: PERS 231 or permission of instructor.

PERS 490. Special Studies in Persian. 3 credits. Special topics or independent studies in Persian.

Philosophy

Department of Philosophy and Religion

PHIL 101. Introduction to Philosophy. 3 credits. Offered fall and spring. An introduction to the basic problems and concepts of philosophy – the nature of man and the self, ethics, theories of knowledge, philosophy of religion, etc. as revealed in the writings of major philosophers.

PHIL 120. Critical Thinking. 3 credits. Offered fall and spring. An introduction to the techniques for analyzing and evaluating information in everyday experience. The functions of language will be discussed. Techniques for judging the strengths of arguments and the reasonableness of the arguments’ premises will be examined. This course cannot be used to fulfill the B.A. Philosophy requirement.

PHIL 150. Ethical Reasoning. 3 credits. Offered fall and spring. An introduction to the principles and techniques of rational decision making in ethics, including analysis of arguments and fallacies, ethical theories, and applications of moral principles to moral issues. This course cannot be used to fulfill the B.A. Philosophy requirement.

PHIL 210. Philosophy Through Film. 3 credits. Offered summer. This course combines feature length films and classic philosophical writings as points of departure for considering perennial philosophical questions such as: What is real? (Metaphysics) How can I know? (Epistemology) What is of value? (Morality).

PHIL/REL 218. Philosophy of Religion. 3 credits. Offered once a year. An intensive examination of religion from the standpoint of philosophical thinking with particular emphasis on the way philosophers view such problems as the existence of God, evil, immortality, religious language, etc.

PHIL 240. Greek Philosophy in Context. 3 credits. Offered summer. This course will involve exploration of the intellectual world of the Ancient Greeks, with particular emphasis on the philosophical, historical, and literary works produced during the period. The course will include lectures and site visits throughout Greece.

PHIL 250. Introduction to Symbolic Logic. 3 credits. Offered fall and spring. An introduction to the languages and techniques of propositional logic and first-order quantification theory.

PHIL 262. Problems in Applied Ethics. 3 credits. Ethical theories are used to analyze contemporary moral issues in areas such as business and health care. Course content varies.

PHIL 270. Introduction to Ethics. 3 credits. Offered every two years. An introductory study of the basic ethical theories past and present with some application to moral problems.

PHIL 285. Philosophy, Art and Literature. 3 credits. Offered every two years. This course will study artistic works (literary or otherwise) for their philosophical content. Related issues in the philosophy of art for example, the nature of tragedy, theories of interpretation may also be considered.

PHIL 300. Knowledge and Belief. 3 credits. Offered every year. An extensive examination of theories of knowledge and philosophical problems concerning knowledge and belief. Prerequisite: PHIL 101 or permission of the instructor.

PHIL/ART 305. Seminar in Aesthetics. 3 credits. Offered fall and spring. Readings and discussions in the persistent philosophical problems of the arts, centering on consideration of the work of art, the artist and the audience. Prerequisite: GART 200, GARTH 205, GARTH 208 or PHIL 101.

PHIL 310. Symbolic Logic. 3 credits. The study and application of the principles and techniques of modern deductive logic to natural language. Also, examination of the properties of formal systems and of the logical implications and paradoxes of language. Prerequisite: PHIL 250 or consent of the instructor.