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 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. Windwood 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 NABA 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 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 chamber ensemble experience. Open to all majors, and auditioned at the beginning of every year, 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, 60-voice mixed choir that performs repertoire from the Renaissance to the contemporary era, both sacred and secular. There are opportunities to perform on and off 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 piano 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.

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: NPS 300, NPS 320 and the discipline specific elective.

NPS 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: NPS 300, NPS 320 and the discipline specific elective.

NPS 467. 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: NPS 300 or permission of the instructor.

NPS 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: NPS 300, NPS 320 and one additional course in the minor or permission of the instructor.

http://www.jmu.edu/catalog/11
Nursing
Department of Nursing

NSG 270. Nursing Practicum: Nursing Fundamentals. 3 credits. Offered fall, spring and summer.
This first course in the nursing curriculum focuses on the foundation of nursing practice. Through didactic learning, students are introduced to basic nursing theory and knowledge that will be applied throughout the student's nursing education. In the laboratory, students learn the cognitive and affective processes and the psychomotor skills necessary for basic clinical practice. The clinical component of the course is a culmination of didactic and hands-on learning where students apply and practice what they have learned through the course.

NSG 310. Helping Persons in Pain. 2 credits.
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 312. Understanding Cancer. 1 credit.
This elective course, open to students from all majors, is a non-technical and practical examination for cancer and its causes, prevention, treatments and impact on people. Emphasis is placed on understanding how people experience and survive cancer. This course is tailored to include cancer-related topics that are of interest to students.

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 fall and 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 these individuals.

NSG 317. History of Nursing. 1 credit.
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.
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.
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 320. Innovative Diabetes Health Education. 1 credit. Offered once a year.
Based on the chronic illness model component of patient self-management, this course focuses on the use of an innovative teaching strategy for diabetic education. Working in teams students will utilize conversation maps to learn about Diabetes Mellitus Type II, gestational diabetes and patient education.

NSG 321. Innovative 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. Complementary and Alternative Therapies. 1 credit. Offered fall and spring.
This course examines the principles, practices and outcomes of complementary therapies and alternative healing that are widely used in the general population. The integration of alternative and conventional health practices will be examined. Ethical, legal and professional issues will be explored.

NSG 323. 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 prepare student and patient understanding of cardiovascular disease.

NSG/HHS 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.
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.
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.
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 care 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.
The student will develop 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 330. The Professional Nurse. 2 credits.
This course provides an overview of the concepts, definitions and character of professional nursing practice within the context of ethical and legal realities of the current healthcare delivery system and of professional nursing practice. The course explores the historical development of nursing as a profession. It promotes self-analysis and socialization as a professional nurse and an understanding of the role and processes for professional nursing practice. It also begins to prepare the student in the nursing program and NCLEX testing. The beginning phases of career management are examined.

NSG 331. Adult Health I. 6 credits.
This course focuses on the integration of pathophysiologic and pharmacologic concepts and principles of nursing process, health promotion, risk reduction, clinical decision making and collaborative management of care for adults across the life span experiencing moderate to severe health alterations. Prerequisite: NSG 270.

NSG 332. Psychiatric Mental Health Nursing. 3 credits.
This course examines the pathophysiology and psychosocial manifestations and the psychopharmacological and psychiatric health nursing treatment of selected mental illness. 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.

NSG 333. Health Assessment. 3 credits.
The health assessment course is designed to develop knowledge and skills
This course focuses on synthesis of concepts and principles utilized in
experiencing moderate to severe and complex health alterations.
and collaborative management of care for adults across the life span
This course is a continuation of Adult Health I and focuses on the integration
political advocacy, ethics in nursing practice, and career development.
will be used to investigate how outcomes may be improved through the individual's
This course will examine models and strategies that aid individuals to live
An interdisciplinary evidence-based approach
will be related to model(s) of chronic care.
Students apply concepts, principles, theories and skills in the nursing care of
Students apply concepts, principles, theories and skills in the nursing care of
This course applies the nursing process to the care of well, acutely and
Prerequisite: Admission to RN-BSN program.
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This course focuses on the nature and functions of present and future
This course explores current factors that impact the transition from student
in relation to pathologic processes. Emphasis is placed upon physiologic
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This course explores current factors that impact the transition from student
Offered fall and spring.
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Prerequisite: Admission to RN-BSN program.
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NUTR 340. Science of Food Preparation. 3 credits.
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.

Offered fall and spring.
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 fall and 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 spring.
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 and techniques for effective application and dissemination of nutrition knowledge in the community. Prerequisite: Admission to the dietetics major.

NUTR 395. Senior Seminar in Dietetics. 3 credits.
Prerequisite: Admission to the dietetics major; NUTR 384 and NUTR 482.
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.

In this setting, students are provided an opportunity to learn and apply case management concepts. Students provide nursing care in the home for persons and families experiencing chronic illness. Using a case management theoretical framework, students coordinate and deliver services through visits with agency nurse case managers with direct care giving responsibilities. Issues of chronic illness, coping and extended care are explored.

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 380 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 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 495. Seminar in Dietetics. 2 credits. 
Offered fall.
Students will be introduced to research in dietetics and conduct a senior independent study. Independent study, professional conference participation and/or research under faculty supervision. Prerequisite: Permission of the coordinator of the dietetics program.

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.

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 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.

Offered fall and spring.
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 fall and 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 spring.
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 and techniques for effective application and dissemination of nutrition knowledge in the community. Prerequisite: Admission to the dietetics major.

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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 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 495. Seminar in Dietetics. 2 credits. 
Offered fall.
Students will be introduced to research in dietetics and conduct a senior independent study. Independent study, professional conference participation and/or research under faculty supervision. Prerequisite: Permission of the coordinator of the dietetics program.

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.
Persian

Department of Foreign Languages, Literatures and Cultures

PERS 101. Elementary Persian I. 4 credits.
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.
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 211. Intermediate Persian I. 3 credits.
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 222. Intermediate Persian II. 3 credits.
A thorough review of PERS 211 grammar and vocabulary building. Conversation, composition and reading will be chosen to reach competency at the advanced intermediate level. Prerequisite: PERS 211 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

QPHIL 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.

QPHIL 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 probable truth of the arguments’ premises will be examined. This course cannot be used to fulfill the B.A. Philosophy requirement.

QPHIL 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: QPHIL 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: QART 200, QART 205, QART 206 or QPHIL 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.

PHIL 311. Metaphysics. 3 credits. Offered every year.
Examination of central questions regarding the fundamental nature of reality. Possible topics: universals and particulars, possibility and necessity, mind and body, identity over time, free will causality, time and God. Prerequisite: At least one other philosophy course or approval of the instructor.

PHIL/IA 312. Causal Analysis. 3 credits.
Examines causal analysis in national, military, counter-, and competitive intelligence. By assessing a factor's amount and kind of efficacy, students will learn the most reliable methods for distinguishing between relevant/irrelevant events and factors, identifying and excluding pseudo-causes, and anticipating higher order effects of a causal process. Prerequisite: IA 261 or permission of instructor.

PHIL/IA 313. Counterfactual Reasoning. 3 credits.
Examines counterfactual reasoning in national, military, counter-, and competitive intelligence. By analyzing alternate scenarios and their consequences, students will learn the most relevant methods for employing creative thinking in generating, developing, and assessing possibilities; substantiating after-action reports, and structuring futures analysis. Prerequisite: IA 261 or permission of instructor.

PHIL 314. Rational Decision Theory. 3 credits.
Explores the fundamental principles of making reasonable choices. The course considers both the conceptual, epistemological and logical insights of these principles, as well as applies them to numerous real-world cases faced by recent decision-makers in areas such as intelligence, information analysis, business or politics. Prerequisite: QPHIL 120 or instructor consent.

PHIL 315. Logic and Legal Reasoning. 3 credits.
Application of symbolic logic (first-order logic with identity) to legal language and deductive legal argument. Will include close logical analysis of at least one of the following: Supreme Court brief, Supreme Court decision, Supreme Court oral argument. Prerequisite: PHIL 250 or instructor consent.

PHIL 320. Inductive Logic. 3 credits.
Introduction to inductive logic and philosophical problems it raises. Topics discussed: the traditional problem of induction, the Goodman paradox and the new riddle of induction, the probability calculus and kinds of probability, Mill's methods of experimental inquiry and the nature of causality, abduction (inference to the best explanation) and confirmation theory.

PHIL 325. Crime, Punishment and Justice. 3 credits.
Theories of criminal punishment are examined in the context of philosophical theories of justice and in conjunction with material from the social sciences on crime, criminal offenders and the effects of penal sanctions.

PHIL 330. Moral Theory. 3 credits. Offered fall and spring.
An examination, at the intermediate level, of both classical and contemporary moral theories. Critical analysis of the normative and meta-ethical issues these theories raise.

PHIL 335. The Individual, the State and Justice. 3 credits. Offered every two years.
Mid-level class in political philosophy. Will read classic and/or contemporary texts in philosophy influential on political thought. Focus may be on views of the justification for and role of the state. Consideration may also be given to the proper relationship of individuals and the state, political freedom autonomy. Prerequisite: QPHIL 101 or approval of the instructor.

PHIL 340. Ancient Greek Philosophy. 3 credits. Offered fall and spring.
This course traces philosophical problems raised by the pre-Socratics,