Accounting

28ACCT121
Financial Accounting I
First of a two-course sequence that provides students with the basic knowledge needed to understand and analyze financial accounting transactions and to read and interpret publicly reported financial statements. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT122
Financial Accounting II
Second of a two-course sequence that provides students with the basic knowledge needed to understand and analyze financial accounting transactions and to read and interpret publicly reported financial statements. Prereq: 28ACCT121. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT261
Managerial Accounting I
First of a two-course sequence in the use of accounting data in planning and controlling business operations. Cost flows and cost behavior as used in decision making. Prereq: 28ACCT122, 28MATH134, 28IS175. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT262
Managerial Accounting II
Second of a two-course sequence in the use of accounting data in planning and controlling business operations. Cost flows and cost behavior as used in decision making. Prereq: 28ACCT261. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT275
Accounting Systems and Procedures
Covers fundamental recording, adjusting, aggregating and reporting procedures in accounting information systems. Practice sets will be employed to instruct students in the flow of accounting information. Prereq: 28ACCT122. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ACCT311
Intermediate Accounting I

28ACCT312
Intermediate Accounting II
See 28ACCT311. Prereq: 28ACCT311. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT313
Intermediate Accounting III
See 28ACCT311. Prereq: 28ACCT312. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT331
Cost Accounting I
Basic concepts and techniques in accounting for a manufacturing organization. Cost accumulation using the job order and the process cost accounting systems. Prereq: 28ACCT122. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT332
Cost Accounting II
Cost accounting for management control. Methods and techniques for management planning and control; budgeting, cost analysis, performance reports. Prereq: 28ACCT331. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Accounting

28ACCT333
Cost Accounting III

28ACCT341
Tax I: Introduction to Income Taxes
Basic tax concepts, tax research and taxation of individuals. Prereq.: 28ACCT122, 28IS175, 28MATH134 or Perm. of Instr. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28ACCT342
Tax II: Topics in Taxation
Overview of taxable and pass-through entities, state and local taxes, and payroll and withholding taxes. Prereq: 28ACCT281. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Allied Health

28ALH101
Introduction to Health Professions
An introductory course for students entering a variety of college-level health care programs or for those who have an interest in pursuing a career in health care. This course will include orientation to the health care delivery system and descriptions of health professions. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ALH109
CPR Basic Life Support for Healthcare Providers
The student will learn the skills of cardiopulmonary resuscitation (CPR) for victims of all ages. The course will include the technique of ventilation with barrier devices and bag-mask devices, use of an automated external defibrillator (AED) and relief of foreign body airway obstruction. Successful completion will lead to certification by the American Heart Association. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ALH270
Pathophysiology for Allied Health
A survey of pathophysiology and pathological processes with emphasis on applications for patient care and medical imaging. Prereq: 28BIOL203. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ALH411
Venipuncture & IV Therapy
Basics of venipuncture and methods of administration of intravenous fluids with a focus on safety and medical applications. Laboratory practice included. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ALH421
Health Care Delivery Systems
Includes history, orientation to the U.S. health care delivery system; health care planning, dynamics of the health care team, and future implementations. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ALH422
Economic and Financial Aspects of Health Care
Provides an overview of the health care economy and general influencing factors, reimbursement models, financial analysis and market development, and quality improvement processes. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ALH423
Legal Aspects of Health Care
Legal implications and ramifications of the daily operations of a healthcare organization, as well as risk management, legislative issues

H=University Honors course.
Allied Health

**28ALH423**
Legal Aspects of Health Care
affecting the delivery of healthcare. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28ALH424**
Clinical and Laboratory Supervision and Assessment
The theoretical and practical aspects of integrating cognitive concepts with psychomotor skills in the area of health care education and practice. Includes leadership styles, methods of motivation, and basic supervisory techniques. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28ALH425**
Presentation Strategies in Health Care
Introductory survey of instructional design and technology for use in presenting to health care professionals. Includes continuing education concepts. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Anthropology

**28ANTH279**
Medical Anthropology
A cross-cultural introduction to the epidemiology causation and treatment of diseases in different ecologies and cultures. BoK: SS., DC. Credit Level: U. Credit Hrs: 3.00

Arabic Languages and Culture

**28ARAB101**
Beginning Arabic I
For beginning students: an introduction to the basic elements of the Arabic language needed for communication. The course should be followed by 28ARAB201, 202, 203 to satisfy language requirements. BoK: HU., DC. Credit Level: U. Credit Hrs: 3.00

**28ARAB102**
Beginning Arabic II
For beginning students: an introduction to the basic elements of the Arabic language needed for communication. The course should be followed by 28ARAB201, 202, 203 to satisfy language requirements. Prereq: 28ARAB101. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

**28ARAB103**
Beginning Arabic III
For beginning students: an introduction to the basic elements of the Arabic language needed for communication. The course should be followed by 28ARAB201, 202, 203 to satisfy language requirements. Prereq: 28ARAB102. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

**28ARAB201**
Intermediate Arabic I
Practice in speaking and writing the language with review of grammar; reading and discussion of selected texts. Prereq: 28ARAB103. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

**28ARAB202**
Intermediate Arabic II
See 28ARAB201. Prereq: 28ARAB201. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

**28ARAB203**
Intermediate Arabic III
Fulfills language requirement. Prereq: 28ARAB202. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

Art History

**28ARTH111**
History of Art I: Ancient — Romanesque
Survey of art and architecture in the ancient world and in medieval Europe until 1200 A.D. Prereq: 28ENGL101. Transfer Module. BoK: FA, HP. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
Asian Languages

28ASIA106  
Elementary Chinese III  
Basic patterns of modern Chinese (Mandarin) with emphasis on spoken language. Mastery of about 300 Chinese characters is expected. Prereq: 28ASIA105. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASIA181  
Introduction to Japanese Culture I  
This course provides students with an overview of Japanese culture. The course, part of a three course sequence, is primarily activity-oriented, based on practical topics such as calligraphy, tea ceremony, flower arrangement, origami, Japanese food culture, and customs and manners. The course will also include Haiku and folk tales, geography, and contemporary and historical culture topics. The course is taught in English with some basic vocabulary in Japanese. BoK: HU, DC. Credit Level: U. Credit Hrs: 1.00

28ASIA182  
Introduction to Japanese Culture II  
A continuation of Introduction to Japanese Culture I. Students will continue to engage in additional activity-oriented topics of Japanese social and literary culture. The course is taught in English with some basic vocabulary in Japanese. BoK: HU, DC. Credit Level: U. Credit Hrs: 1.00

28ASIA183  
Introduction to Japanese Culture III  
The third course in the sequence and continuation of Introduction to Japanese Culture II. In this course, students will continue to engage in additional activity-oriented topics of Japanese social and literary culture. The course is taught in English with some basic vocabulary in Japanese. BoK: HU, DC. Credit Level: U. Credit Hrs: 1.00

28ASIA201  
Intermediate Japanese I  
Aims at basic proficiency in spoken language; additional 200-300 Japanese characters are also introduced. Prereq: 28ASIA103. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASIA202  
Intermediate Japanese II  
Aims at basic proficiency in spoken language; additional 200-300 Japanese characters are also introduced. Prereq: 28ASIA201. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASIA203  
Intermediate Japanese III  
Fulfills language requirement. Prereq: 28ASIA202. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASIA204  
Intermediate Chinese I  
This course focuses on increasing proficiency in Mandarin Chinese. The emphasis is on listening, speaking, reading, writing, and culture. Additional Chinese characters are introduced. Prereq: 28ASIA106. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASIA205  
Intermediate Chinese II  
Continues to build proficiency in Mandarin Chinese with emphasis on listening, speaking, reading writing, and culture. Additional Chinese characters are introduced. The second offering of a three-part sequence. Prereq: 28ASIA204. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASIA206  
Intermediate Chinese III  
Further develops proficiency in Mandarin Chinese. Continues emphasis on listening, speaking, reading writing, and culture. Additional Chinese characters are introduced. The third offering of a three-part sequence. Prereq: 28ASIA205. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASIA251  
Advanced Japanese I  
Grammar review, practice in composition and conversation, culture, and selected readings. Prereq: 28ASIA203. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASIA252  
Advanced Japanese II  
Continued review of grammar, practice in composition and conversation, culture, and selected readings. The second offering of a three-part course sequence. Prereq: 28ASIA251. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASIA253  
Advanced Japanese III  
Continued review of grammar, practice in composition and conversation, culture, and selected readings. The third offering of a three-part course sequence. Prereq: 28ASIA252. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

American Sign Language

28ASL101  
Orientation to Deafness  
This course is intended to introduce students to the major concepts and issues in the field of deafness. This course also integrates the disciplines of history, anthropology, linguistics, creative arts, and literature as they apply to deaf culture and the deaf community. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28ASL191  
Beginning American Sign Language I  
A first level course in American Sign Language (ASL). This course is an introduction to basic signing and includes linguistic and sociolinguistic information. The culture and identity of the deaf community is incorporated into this course to develop cultural awareness. BoK: DC, SS. Credit Level: U. Credit Hrs: 3.00

28ASL192  
Beginning American Sign Language II  
A continuation of American Sign Language (ASL). This course builds upon basic signing and includes linguistic and sociolinguistic information. Students will continue to develop an understanding of deaf culture and identity. This course will be conducted in sign language with minimal voicing, the cultural identity of the deaf community. This course will be conducted in sign language. This course should be followed by 28 ASL 292 and 293 to satisfy the college foreign language requirement. Prereq: 28ASL191. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASL193  
Beginning American Sign Language III  
The third course in the beginning sequence of American Sign Language (ASL). In this course, students will increase ASL vocabulary and continue to develop cultural awareness, grammatical knowledge and beginning conversational skills. Prereq: 28ASL102. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASL210  
Psychosocial Deaf  
This course is designed to introduce students to psychosocial aspects of deafness. Students will learn about the language, norms of behavior, values and traditions. The evolution of a pathological view of deaf people to a culture one will be analyzed from a historical and sociological perspective. BoK: DC, SS. Credit Level: U. Credit Hrs: 3.00

28ASL211  
History of Deaf Heritage  
This course is an introductory survey of the unique characteristics influencing deaf people throughout the last hundred years, and the achievements and accomplishments made by deaf individuals in various professional fields. Also, students will learn the importance of

H—University Honors course.  
American Sign Language

28ASL211
History of Deaf Heritage

the national organizations of the deaf and of the achievements of deaf advocacy groups protecting the rights of deaf people. BoK: DC., HP. Credit Level: U. Credit Hrs: 3.00

28ASL291
Intermediate American Sign Language I

This course seeks to further develop students’ competency on all linguistic levels: sign formation, vocabulary, morphology, syntax and discourse. Emphasis will be placed upon improving students’ receptive and productive abilities as well as increasing understanding of the cultural identity of the deaf community. This course will be conducted in sign language. This course should be followed by 28 ASL 292 and 293 to satisfy the college foreign language requirement. Prereq: 28ASL193. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASL292
Intermediate American Sign Language II

This course seeks to further develop students’ competency on all linguistic levels: sign formation, vocabulary, morphology, syntax and discourse. Emphasis will be placed upon improving students’ receptive and productive abilities as well as increasing understanding of the cultural identity of the deaf community. This course will be conducted in sign language. This course should be followed by 28 ASL 293 to satisfy the college foreign language requirement. Prereq: 28ASL291. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASL293
Intermediate American Sign Language III

This is the final course of the intermediate sequence, and continues to develop students’ competency on all linguistic levels: sign formation, vocabulary, morphology, syntax and discourse. Emphasis will be placed upon improving students’ receptive and productive abilities as well as increasing understanding of the cultural identity of the deaf community. This course will be conducted in sign language. Successful completion of this course satisfies the college foreign language requirement. Prereq: 28ASL292. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28ASL310
Legal Issues Deafness

A comprehensive course about deaf and hard of hearing individuals seeking equal access to social services, education, employment and medical care, including federal and state laws prohibiting discrimination against the handicapped. BoK: DC., SS. Credit Level: U. Credit Hrs: 3.00

Biological Sciences

28BIOL101
Biology I

First-year lecture and laboratory course in the biological sciences for science majors and transfer students, emphasizing application of the scientific method to understanding biology and the structure and activities of cells. Prereq.: One year of each of high school biology and chemistry with a "C" or better. Transfer Module. BoK: NS, Credit Level: U. Credit Hrs: 5.00

28BIOL102
Biology II

Continuation of Biology I emphasizing cell reproduction, inheritance, evolution and population genetics. Pre-Req: "C" or better in 28 BIOL101 Prereq: 28BIOL101. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28BIOL103
Biology III

Continuation of Biology II emphasizing plant and animal anatomy, function and diversity, and ecology of populations and communities. Pre-Req: "C" or better in 28BIOL102 Prereq: 28BIOL102. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28BIOL104
Life on Earth: Evolution, Diversity, and Ecology

Organismal biology, including the evolution of life on earth, the classification of contemporary life and the fundamentals of ecology. For non-science majors. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL105
How Life Reproduces: Genetics

Basic principles of genetics, including how genetic information is stored, reproduced, inherited, expressed and mutated. The relevance of these basic genetic principles to current social issues, such as human genetic diseases, genetic cloning, biotechnology, drug development and cancer is discussed. For non-science majors. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL106
How Life Works: From Cells to Organisms

Cell structure from bacteria through multi-cellular organisms, how cells function and produce or use energy, organization of complex organisms and how these organisms interact with their environment. For non-science majors. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL107
Biology in a Human Context I

An introductory biology lecture/lab course designed to fulfill natural science requirements for general education and individual colleges. Emphasis will be on biological principles as they relate to humans, especially on life and individual survival. BoK: NS., SE. Credit Level: U. Credit Hrs: 5.00

28BIOL108
Biology in a Human Context II

This is a non-majors biology course that has no prerequisites. This course's emphasis is on human reproduction and its numerous consequences, including: the genetic basis for evolution; why both normal and abnormal genetic differences among us exist; recombinant DNA technology and its increasing importance and value; the biology of sexually transmitted diseases, including AIDS; growth and development of the human being, and the biologic ability to produce many more offspring than the finite world can support. BoK: NS., SE. Credit Level: U. Credit Hrs: 5.00

28BIOL109
Biology in a Human Context III

This is a non-majors biology course that has no prerequisites. The major emphasis in this course is on how humans as a biologic species must deal with ecologic and evolutionary principles; what the earth provides us to maintain our ecology; the diversity of those with whom we share our environment, and how all of this diversity developed through organic evolution, and why all species are so interconnected; the past and current impact of our species on our ecology; and important considerations for a continued future of all species. BoK: NS., SE. Credit Level: U. Credit Hrs: 5.00

28BIOL126
Fundamentals of Biology I

A lecture and laboratory course in biological concepts oriented primarily to the two-year, career oriented associate degree programs. Topics include the scientific method, introduction to biochemical chemistry, cell structure and function, cell reproduction, enzymes and energy metabolism. Pre-Req.: 28 ENGL101 Prereq: 28ENGL101. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28BIOL127
Fundamentals of Biology II

A lecture and laboratory course in biological concepts oriented primarily to the two-year, career oriented associate degree programs. Topics include the mammalian organ systems, i.e., muscular, skeletal, circulatory, respiratory, digestive, endocrine, immune, reproductive, urinary and nervous systems. Pre-Req: "C" or better in 28BIOL126. Prereq: 28BIOL126. BoK: NS. Credit Level: U. Credit Hrs: 5.00

H=University Honors course.
Biological Sciences

28BIOL127  Fundamentals of Biology II
A lecture and laboratory course in biological concepts oriented primarily to the two-year, career oriented associate degree programs. Topics include the mammalian organ systems, i.e., muscular, skeletal, circulatory, respiratory, digestive, endocrine, immune, reproductive, urinary and nervous systems. Pre-Req: "C" or better in 28BIOL126. Prereq: 28BIOL126. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28BIOL128  Fundamentals of Biology III
A lecture and laboratory course oriented primarily to the two-year, career oriented associate degree programs. Topics include DNA structure and function, embryology, genetics, evolution, animal phylogeny and ecology, PreReq: "C" or better in 28BIOL127 or permission of instructor. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28BIOL133  Health and Lifestyle
This course is designed to convey an understanding of the complexity of human life, to increase awareness of the challenges of health, and to help develop confidence in the individual to rise to those challenges and make progress toward a healthier lifestyle. BoK: NS., SE. Credit Level: U. Credit Hrs: 3.00

28BIOL144  Environmental Science I: Ecological and Environmental
A natural science General Education course which examines scientific knowledge, methodology and basic ecological concepts, and explores the relationship of these principles to environmental problem analysis including environmental problems and sustainability; environmental history; basics of science; ecosystem structure; evolution; biodiversity; climate; aquatic and terrestrial ecosystems, community and population ecology; and human population dynamics. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL145  Environmental Science II: Biodiversity and Resources
A natural science General Education Course which examines scientific knowledge, methodology and basic ecological concepts, and explores the relationship of these principles to environmental problem analysis, including sustaining aquatic and terrestrial biodiversity; food, soil and water resources; geology and mineral resources; and energy resources and efficiency. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL146  Environmental Science III: Pollution and Sustainability
A natural science General Education course which examines scientific knowledge, methodology and basic ecological concepts, and explores the relationship of these principles to environmental problem analysis including risk, toxicology and human health; air pollution; climate change and ozone loss; water pollution; pest management; solid and hazardous waste; sustainability; and environmental worldviews. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL175  Laboratory Data Management
The course develops student skills in basic data summary, quality assurance, and data presentation as used in a laboratory setting. Topics include: data summary methodologies, data entry in laboratory notebooks and using computers for data recording and analysis. In addition, techniques for data quality assurance and quality control during each phase of the data collection and management process are stressed. Pre-Req.: 28 MATH 173 Prereq: 28MATH173. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28BIOL176  Applied Anatomy and Physiology
Course provides an overview of the major organ systems of the body. The course will relate pathophysiology in conjunction with normal anatomy and physiology. It is an introduction to common emergency medical problems through discussion and cadaver lab experience. This course will build a foundation of essential knowledge which can support further courses dealing with specific topics in human anatomy and physiology. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL177  Applied Anatomy and Physiology
A lecture-laboratory course providing practical experience in protein separation and characterization techniques. PreRequisite 28BIOL103, 28BIOL128 or equiv. Prereq: 28BIOL103. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28BIOL202  Anatomy and Physiology II
An integrated lecture and laboratory course in human anatomy and physiology, including molecular, cellular, skeletal, integumentary, muscular and neural structure and function. Pre-requisite: one year of high school biology and chemistry 1ec and lab with grade of C or better within six years of entry into A&P, or 15 ug. cr. of a lec and lab sequence in college biology. Students with high school biology prior to six years must take 28BIOL126. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28BIOL211  Independent Study in Biology I
A course designed to allow students to pursue an individualized learning project with approval of and under supervision of a faculty member. BoK: NA. Credit Level: U. Credit Hrs: 1.00-4.00

28BIOL212  Independent Study in Biology II
A course designed to allow students to pursue an individualized learning project with approval of and under supervision of a faculty member. BoK: NA. Credit Level: U. Credit Hrs: 1.00-4.00

28BIOL213  Independent Study in Biology III
A course designed to allow students to pursue an individualized learning project with approval of and under supervision of a faculty member. BoK: NA. Credit Level: U. Credit Hrs: 1.00-4.00

28BIOL231  BioTech Seminar
Survey of biotechnology research areas in the academic, corporate or government laboratory. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28BIOL243  BioTech I: Protein Separation Lab
A lecture-laboratory course providing practical experience in protein separation and characterization techniques. PreRequisite 28BIOL103, 28BIOL128 or equiv. Prereq: 28BIOL103. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28BIOL244  BioTech II: Molecular Biology Lab
A lecture-laboratory course providing practical experience in DNA isolation and analysis techniques. Preq: 28BIOL243 Prereq: 28BIOL243. BoK: NA. Credit Level: U. Credit Hrs: 5.00

H=University Honors course.
Biological Sciences

28BIOL245
BioTech III: Cell Culture Lab
A Lecture-laboratory course providing practical experience in mammalian cell culture, maintenance and analysis techniques. Pre-req.: 28BIOL244. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28BIOL270
Human Sectional Anatomy
A regional survey of Human Anatomy in all sectional planes. Primarily intended for Radiologic Technology and Radiation Therapy students. Pre-req: A complete course in Human Anatomy and Physiology or Human Anatomy or Perm. of instructor. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28BIOL274
Destination: Disease
This is a non-majors biology course for students with little or no exposure in science. This course surveys infectious diseases which are transmitted to travelers by food and water, modes of transportation (air travel and cruise ships) and insect vectors. Topics covered include the organism which causes the disease, how the organism’s presence causes disease in the human body, the geographic region where the disease is prevalent, and how the disease is transmitted. Current treatment and prevention recommendations will also be discussed. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL278
Molecular Genetics and Bioinformatics
An introduction to recombinant DNA technologies and to the retrieval and utilization of biological information from public databases. Topics covered will include DNA structure and function, DNA cloning, sequencing, PCR, gene chips, RNA expression analysis. Emphasis is placed on how data from molecular techniques results in databases and how these databases are utilized. Pre-req.: 28BIOL103 OR 28BIOL128. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28BIOL279
BioTech Internship
Practical application of biological laboratory procedures in a supervised academic, industrial or governmental field site and/or laboratory. Must complete the program soph & chem courses except 28BIOL245 with 2.5 GPA and Perm of Instr. BoK: NA. Credit Level: U. Credit Hrs: 1.00-5.00

28BIOL281
Microbiology
A course emphasizing bacteria, viruses, and fungi, and their structure; control of microorganisms; bacterial genetics; immunology; and microbial diseases of the body. Pre-req.: “C” or better in at least 8 u.g. cr. of lec.-lab. courses in college biological sciences. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28BIOL286
Introduction to Pharmacology
Introductory course in pharmacology covering general pharmacodynamics and pharmacokinetics and a survey of clinical pharmacology and pharmacognosy. Co-req.: 28BIOL202. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28BIOL288
Pharmacology for Dental Hygiene

28BIOL296
Study Abroad in Biology
For students studying in a foreign country through the auspices of Raymond Walters College. Course needs department approval before registration. BoK: NS., DC. Credit Level: U. Credit Hrs: 1.00-6.00

Biological Sciences

28BIOL301
Cell Structure and Function
Integration of structure and function in cells, organelles, the cytoskeleton, cell membrane, events and mechanisms in molecular biology, the structure of chromatin. Pre-req.: 28BIOL103, 28CHEM103, 28CHEM113 or Perm. of instr. Pre-req: 28BIOL103, 28CHEM103, 28CHEM113. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28BIOL302
Genetics
A lecture and laboratory course examining the scope and significance of modern Genetics, including Mechanisms of Inheritance and Molecular Genetics. Pre-req.: 28BIOL103, 28CHEM103, or Perm. of instr. BoK: NS Pre-req: 28BIOL103, 28CHEM103, 28CHEM113. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28BIOL303
Ecology
Basic principles of ecology with an evolutionary perspective, including adaptation of organisms to environments, population and community ecology, ecosystem structure and function, and conservation biology; utilizing field and laboratory experience. Pre-req.: 28BIOL103, 28CHEM103, 28CHEM113 or Perm. of instr. BoK: NS Pre-req: 28BIOL103, 28CHEM103, 28CHEM113. BoK: NS. Credit Level: U. Credit Hrs: 4.00

Business Law

28BLAW231
Business Law I
Development of legal thought and legal institutions. The legal environment of business, including the modern legal process, the law of torts. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28BLAW232
Business Law II
The law of negotiated obligations and agency. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28BLAW233
Business Law III
Sales and Commercial Paper. The law of sales including title, warranty, risk of loss, and insurable interest rules, the law of negotiable instruments. Pre-req.: 28BLAW232. Pre-req: 28BLAW233. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28BLAW241
Employment Law
The legal qualities of the employment relationship types of employment, regulation of the workplace including Equal Employment Opportunity, sexual harassment, OSHA, Employee Retirement Income Security Act, Workers Compensation and unemployment insurance. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Chemistry

28CHEM041
Preparatory Chemistry I
Three hours lecture and one hour recitation per week. A pre-college level introduction to the basic principles of the chemical sciences, with applications and problem solving involving names, formulas, reactions, equations, and composition of compounds. Pre-req.: Qualification for 28MATH132. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28CHEM042
Preparatory Chemistry II
Three hours lecture and 1 hour recitation per week. Continued applications and problem solving involving chemical equations, atomic structure, bonding, gases, liquids, solids, and solutions. Pre-req.: 28CHEM041 Pre-req: 28CHEM041. BoK: NA. Credit Level: U. Credit Hrs: 3.00
Chemistry

28CHEM101  
First Year Chemistry I  

28CHEM102  
First Year Chemistry II  

28CHEM103  
First Year Chemistry III  

28CHEM104  
General-Organic-Biochemistry Lecture and Lab I  
Three hours lecture, 1 hour recitation, and 2 hours lab per week covering introductory principles, practices, and applications of inorganic chemistry for non-science majors. Prereq.: "C" or better in H.S. Chem. BoK: NS. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28CHEM105  
General-Organic-Biochemistry Lecture and Lab II  
Three hours lecture, 1 hour recitation, and 2 hours lab per week covering introductory principles, practices, and applications of organic chemistry for non-science majors. Prereq.: 28CHEM104. BoK: NS, QR. Prereq: 28CHEM104. Transfer Module. BoK: NS, QR. Credit Level: U. Credit Hrs: 5.00

28CHEM106  
General-Organic-Biochemistry Lecture and Lab III  
Three hours lecture, 1 hour recitation, and 2 hours lab per week covering introductory principles, practices, and applications of biochemistry for non-science majors. Prereq.: 28CHEM105. BoK: NS, QR. Prereq: 28CHEM105. Transfer Module. BoK: NS, QR. Credit Level: U. Credit Hrs: 5.00

28CHEM111  
First Year Chemistry Laboratory I  

28CHEM112  
First Year Chemistry Laboratory II  

28CHEM113  
First Year Chemistry Laboratory III  
Three hours per week. Laboratory to accompany 28CHEM103. Coreq.: 28CHEM103. Coreq: 28CHEM103. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM141  
Organo-Biochemistry for Dental Hygiene I  
Introduction to and applications of organic and biochemical principles to specific topics that are unique to the science of dental hygiene. BoK: NA. Credit Level: U. Credit Hrs: 2.00

Chemistry

28CHEM174  
Introductory Chemistry  
Three hours lecture and one hour recitation per week covering basic principles of inorganic chemistry for non-science majors. Prereq.: Registered nurse or Perm. of instr. BoK: NS. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CHEM175  
Chemistry and Life  
Combined three hours lecture and 1.5 hours recitation per week. A continuation of General Chemistry I, intended primarily for students in the Veterinary Technology program. Topics covered include solution concentrations and drug dosages, acids and bases, introduction to organic and biochemical principles of bonding, structure, metabolism, nutrition. Prereq.: 28CHEM104. BoK: NS. Prereq: 28CHEM104. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CHEM181  
Orientation to Laboratory Technology  
Exploration of career opportunities in the laboratory technology field. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM182  
Orientation to Laboratory Technology Internships  
Preparation of students for internship experiences. Preparation of resume, development of interviewing skills, and research of possible internship sites. Should immediately precede internship. Prereq.: Laboratory Technology Major. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM201  
Organic Chemistry Lecture I  

28CHEM202  
Organic Chemistry Lecture II  
Three hours lecture and 1.5 hours recitation per week. Study of structure, synthesis and reactions of organic compounds such as hydrocarbons, alkylhalides, and alcohols with mechanistic approach. Prereq: 28CHEM201. Coreq: 28CHEM212. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CHEM203  
Organic Chemistry Lecture III  

28CHEM204  
Bio-Organic Chemistry Lecture/Recitation  
Three hours lecture and 1 hour recitation per week. For non-majors in chemistry. The structure and function of organic compounds in living systems with an emphasis on protein structure and function. Prereq.: 28CHEM106 or 28CHEM103 or Perm. of instr. BoK: NS BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CHEM205  
Introduction to Biochemistry I  
Three hours lecture and 1 hour recitation per week. For non-majors in chemistry. The structure and function of lipids and carbohydrates. The emphasis is on energy metabolism. Prereq.: 28CHEM204 and Perm. of instr. Prereq: 28CHEM204. BoK: NS. Credit Level: U. Credit Hrs: 4.00

H: University Honors course.  

Raymond Walters College   7
Chemistry

28CHEM206
Introduction to Biochemistry II
Three hours lecture and 1 hour recitation per week. For non-majors in chemistry. The structure and function of nucleic acids. Additional topics include amino acid metabolism and nitrogen detoxification. Prereq.: 28CHEM205 and Perm. of instr. Prereq: 28CHEM205. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CHEM211
Organic Chemistry
Four hours per week. Introduction to microscale experimental techniques of isolation, purification, and identification of organic compounds, as well as safe handling and disposal of these materials. Coreq.: 28CHEM201. Coreq: 28CHEM201. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM212
Organic Chemistry
Four hours per week. Study of physical and chemical properties of organic compounds experimentally through microscale synthesis, chromatography, and spectroscopy, as well as safe handling and disposal of these materials. Coreq.: 28CHEM202. Coreq: 28CHEM202. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM213
Organic Chemistry
Four hours per week. Study of physical and chemical properties of organic compounds experimentally through microscale synthesis, spectroscopy, and qualitative analysis, as well as safe handling and disposal of these materials. Coreq.: 28CHEM203. Coreq: 28CHEM203. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28CHEM214
Bio-Orga norganic Chemistry Laboratory I
Three hours per week. Laboratory exercises to accompany 28CHEM204. Prereq: 28CHEM204. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM215
Introductory Biochemistry Laboratory I
Three hours per week. Laboratory exercises to accompany 28CHEM205. Coreq: 28CHEM205. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM216
Introductory Biochemistry Laboratory II
Three hours per week. Laboratory exercises to accompany 28CHEM206. Prereq: 28CHEM206. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28CHEM221
Applied Chemical Analysis I

28CHEM222
Applied Chemical Analysis II

28CHEM225
Analytical Chemistry for Biotech
This course focuses on laboratory techniques for a career in biotechnology, including sample preparation and analysis of samples via chromatographic and spectrophotometric methods, as well as principles and programming of laboratory robots. This course is a combined lecture/laboratory, meeting 6 hours per week. Prereq: 28CHEM221. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CHEM231
Applied Chemical Analysis Laboratory I
2 ug. cr. Six hours per week. Laboratory to accompany and apply principles from Applied Chemical Analysis I. Coreq.: 28CHEM221. Coreq: 28CHEM221. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28CHEM232
Applied Chemical Analysis Laboratory II
2 ug. cr. Six hours per week. Laboratory to accompany and apply principles from Applied Chemical Analysis II. Coreq.: 28CHEM222. Coreq: 28CHEM222. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28CHEM271
Laboratory Safety
This course prepares students to work safely in a laboratory setting. Topics include essential aspects of safety such as storage, handling, disposal, emergency equipment, MSDS, and federal regulations. Prereq.: College level chemistry with lab. BoK: NS. BoK: NS. Credit Level: U. Credit Hrs: 3.00

Curriculum and Instruction

28CI247
Technology for Educators
Teaches students to identify, locate, evaluate, design, prepare, and efficiently use educational technology as an instructional resource in the classroom related to principles of learning and teaching a diverse group of students and learning styles. It will include legal and ethical use of technology. Assistive technology information will be provided to enable future teachers to successfully teach students with a wide range of disabilities. BoK: NA. Credit Level: U. Credit Hrs: 4.00

Criminal Justice

28CJ101
Criminal Justice Systems
This course introduces the workings of three components of criminal justice: the police, the courts and corrections; how each of these components function as individual agency and how they are interconnected. Problems within the criminal justice system are discussed both for individual agencies and between the organizations comprising the system. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28CJ102
Criminology and Delinquency
This course introduces the student to the study of crime and criminological theory. The course provides an overview of the major theories of crime causation. Emphasis will be placed on the biological, psychological and sociological theories of crime, measurements of crime, history of crime, and policy implications of theoretical paradigms for crime and justice in America. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28CJ186
Juvenile Corrections
Introduces the student to the basic skills required for working in the field of juvenile corrections. Details the history and role of juvenile courts, the problems involved in juvenile caseloads and national standards for treatment. Prereq: 28CJ202. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28CJ201
Policing in America
This course is designed as an introduction to the social scientific study of policing in America. Issues examined include the historical development of police in the U.S. and other countries, the functions of the police, different types and styles of policing and factors affecting policing in the United States. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
Criminal Justice

28CJ202  
Introduction to Corrections  
This course is designed to study the history, organization and practices of the American correctional system and some of the important issues facing the field and the future of corrections in America. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28CJ205  
Juvenile Delinquency  

28CJ210  
Current Issues in Criminal Justice  
An analysis of the current issues facing the criminal justice system. Prereq: 28CJ101. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00

28CJ212  
Legal Issues in Corrections  
Details relevant law and recent court cases regarding the areas of corrections. Provides an understanding of both the rights of prisoners as well as the rights and liabilities of correctional personnel. Prereq: 28CJ202. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28CJ241  
Criminal Investigation I  
Introduction to accepted criminal investigation practices and procedures. Lectures cover history, classification within and methods of forensic science. Prereq: 28CJ101, 28CJ201. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28CJ242  
Criminal Investigation II  
Introduction to the use of various audio/visual methods to be used in criminal investigations, evidence collection, crime scene preservation, and cases preparation. Includes practical experience in criminal scene assessment and evidence handling. Means and methods for overt surveillance of suspects, crime scenes, and special events and civil disorders. Prereq: 28CJ241. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28CJ245  
Comparative Criminal Justice Systems  
An overview of criminal justice systems in other countries. Includes study and analysis of materials on law enforcement, judicial, and corrections components. Prereq: 28CJ101. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28CJ299  
Service Learning: Criminal Justice  
Involvement in an organized community service project with an academic component. Provides an opportunity to apply course related material to a practical situation. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00-3.00

28CJ371  
Special Topics in Criminal Justice  
In-depth examination of theory and research surrounding a topic of current interest to the discipline. Prereq: 28ENGL101. BoK: SE. Credit Level: U. Credit Hrs: 3.00

Clinical Research

28CLRS401  
Regulations for Clinical Trials  

28CLRS402  
Mechanisms of Clinical Trials I  
Description of various tasks related to a clinical research associate and clinical research study coordinator's work before the initiation of a clinical study. The course will describe study design rationales, statistics, protocols, data collection forms, and regulatory document submission. Using interactive course exercises, students will learn how to complete and review regulatory documents and evaluate prospective investigators. Prereq: 28CLRS401. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CLRS403  
Mechanisms of Clinical Trials II  
Description of various tasks related to a clinical research monitor's and a study coordinator's work during a clinical trial. This course will compare management by the clinical site, the clinical monitor, and the sponsor or company and will discuss the importance of subject recruitment and retention and timeline planning. Participants will engage in interactive class exercise to learn how to conduct initiation, monitoring, and close-out visits. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28CLRS404  
Clinical Outcomes Measurements  
A course designed to introduce fundamentals of clinical lab medicine, medical imaging, medical history, physical examinations, eye exams, and epidemiology necessary for the interpretation of data during a clinical trial. Common outcomes measurements in different fields will be described. Prereq: 28BIOL202. Coreq: 28BIOL203. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CLRS406  
Clinical Trials Internship  
Practical applications of drug and device development, and clinical research monitoring and coordination at clinical facilities, CROs, and pharmaceutical and device firms. Prereq: 28CLRS403, 28CLRS404. BoK: NA. Credit Level: U. Credit Hrs: 0.00-5.00

28CMDS141  
Illustration I  
Application of basic drawing, computer, and design skills for development of illustrations using Adobe Illustrator. Comparative study of styles and techniques. Prereq: 28CMDS285, 28FAST141. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS142  
Illustration II  
Application of basic drawing, illustration, and design skills to color illustrations. Pursuit of professional competency exploring traditional color reflective art techniques. Prereq: 28FAST141. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS143  
Print Production Basics  
Discussion of printing processes, prepress procedures, and paper. Use of Adobe Illustrator for executing color separated finished art and typesetting. Prereq: 28COMD171, 28COMD285. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS144  
Print Production & Design  
Application of design methodology and typography for effective print media advertisements. Use of Adobe InDesign for computerized finished art. Prereq: 28COMD143. BoK: FA. Credit Level: U. Credit Hrs: 3.00
28CMDS144  
**Web Production and Design**
Application of design methodology and illustration techniques for the production and design of web sites. Use of Adobe Photoshop, Adobe Illustrator, and Macromedia Dreamweaver for the creation of web sites. Prereq: 28COMD141, 28EMDT281. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS171  
**Advertising Layout and Design**
Exposure to various tools, media, vocabulary, processes, and applications of commercial art with respect to two-dimensional black and white design. Introduction to design principles, topography, and illustration techniques. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS189  
**Graphic Design Conventions and Technologies**
Explores the changing techniques and technologies in graphic design from Gutenberg's movable type through to contemporary digital design forms. Presents how to advance technology shaped developments in design and how innovations in graphic design fueled advances in the fields of printing, typography, advertising, packaging, paper manufacturing, and digital technology. BoK: FA., HP. Credit Level: U. Credit Hrs: 3.00

28CMDS261  
**Web Design/Graphics**
Design and execution of graphics for electronic display and web usage. Prereq: 28COMD273, 28COMD286. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS262  
**Web Design/Systems**
Discussion, design, and execution of web sites as graphic systems. Prereq: 28COMD261. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS266  
**Web Design Concepts**
Exploration and execution of web site organization and page design. Discussion of web design usability theories as applied to design concepts and principles. Prereq: 28COMD164. Coreq: 28COMD276. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS267  
**Advanced Web Promotion Design**
Design techniques, methods, and media for the online promotion of products and services. Continued development and discussion of the relationship between site organization, web typography, and design theory. Prereq: 28COMD266. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS268  
**Interactive Web Design**
Design and execution of interactive web sites and multimedia presentations. Advanced typography and illustration techniques for the development of web site systems and presentations. Prereq: 28COMD267. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS272  
**Advanced Promotion Design**
Design techniques, methods, and media for unusual forms of promotional advertising and packaging continued development of marker rendering techniques. Computer art preparation. Prereq: 28COMD141, 28COMD144, 28COMD276. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS273  
**Lettering and Typography**
Introduction to letter forms as two-dimensional shapes. Designing with type, typeface design, and type usage. Prereq: 28COMD141, 28COMD144. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28CMDS275  
**Publication Design**
Preparation of complex publications. Emphasis on design, typesetting,
Communication

28COMM180 Nonverbal Intercultural Communication
This course introduces nonverbal communication problems that often occur when people from different countries interact. Primary areas of study include physical appearance, proximity, chronemics, greetings, paralanguage, eye contact, facial expressions, and gestures. Prereq: 28ENGL101. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28COMM202 Persuasive Speaking

28COMM242 Introduction to Public Relations
The study of principles and ethical practice of public relations in business and not-for-profit organizations. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28COMM281 Business Communications
Theory and practice in group and conference leadership, persuasive techniques, occasional speaking. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28COMM294 Communication Study Abroad
The study of topics in communication designed to be taught overseas or outside the United States under the auspices of Raymond Walters College. BoK: DC., HU. Credit Level: U. Credit Hrs: 3.00

Computer Science

28CS101 Introduction to Computing Systems
An introduction to the fundamentals of computing systems in a networked environment. Discussion topics include hardware and software concepts, data representation, software development, algorithmic problem solving, and networking. Prereq: 28MATH134, 28PHYS181. BoK: SE. Credit Level: U. Credit Hrs: 3.00

28CS103 Visual Basic Programming I
A beginning level programming course in Visual Basic for Windows. Elementary controls, subprocedures, functions, and iterative controls. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28CS104 Visual Basic Programming II
Further programming techniques in Visual Basic for Windows. Data types, arrays and grids, data files, graphics, advanced controls, searching and sorting applications. Prereq: 28CS103. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28CS121 Introduction to the Internet
Using the Internet for information processing. Topics include electronic mail, file transfer, and database searching. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28CS141 Object Oriented Programming I
An introduction to the fundamentals of computer programming. Topics include program design, problem analysis, basic control structures, procedural abstraction, structured programming and object oriented concepts. Prereq: 28MATH169. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CS142 Object Oriented Programming II
A continuation of Programming I. Topics include user-defined data types, static and dynamic data structures, object-oriented programming, file and database processing Prereq: 28CS141. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CS143 Object Oriented Programming III
This course is an introduction to object-oriented programming using the C# programming language. Topics include program design, control flow, procedural abstraction (functions and modularity), static data structures, class definition, and graphical user interfaces. The course emphasizes fundamental software engineering principles and programming skills. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS161 Introduction to PHP Programming
This course is an introduction to programming using the PHP programming language. Topics include program design, variables and operators, control flow, objects, static data structures, and HTML forms. The course emphasizes fundamental software engineering principles and programming skills. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS169 Introduction to Computer Mathematics
An introduction to mathematical topics that serve as a foundation for the study of computer hardware and software. The course focuses on topics from set theory, logic, graph theory, number systems, data representation and algorithms. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS173 Operating Systems
An introduction to the internal structure and operations of a typical operating system. Topics include user interfaces, concurrency issues, process scheduling, task management, file systems, memory management, and a comparison of several operating systems. Prereq: 28CS186. BoK: QR. Credit Level: U. Credit Hrs: 4.00

28CS175 Database Management
An introduction to the design, implementation, and use of database management systems. Topics include relational database design and implementation, database maintenance, transaction and concurrency management, SQL, and application development. Prereq: 28CS142. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CS179 Technical Computations
Use of the computer and scientific calculator to design and implement solutions to typical problems in engineering technology. Hands-on training in engineering applications software will be included. Prereq: 28MATH171, 28PHYS181. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28CS186 Introduction to Unix
Introduction to the UNIX operating system, and shell UC programming. Prereq: 28CS142, 28CS169. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CS187 Introduction to XML
This course is a developer's introduction to the eXtensible Markup Language (XML). Topics include XML syntax, the document object model, document type definitions (DTDs), XML Schema, XML
Computer Science

28CS187
Introduction to XML
transforms, data binding, and various XML applications. Prereq: 28CS141. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS190
Rich Internet Application Development
This course is an introduction to asynchronous scripting using Ajax to create rich Internet applications. The course emphasizes fundamental software engineering principles and programming skills. Experience with a scripting and/or markup language, while not required, would be helpful. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS241
Systems Analysis
Introduction to the systems development life cycle, analysis of systems and general design, analysis strategies, tools, techniques for documenting current systems and developing proposed systems, systems modeling, data modeling, design criteria, cost/benefit trade-offs, and project management techniques. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CS253
C # Programming II
This course continues the introduction from C# Programming I to the methodology of object-oriented programming in C#. Topics include fundamental data structures and algorithms, object-oriented modeling and design, and event driven programming. The course emphasizes fundamental software engineering principles as well as advanced programming skills. Prereq: 28CS153. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS255
Advanced Topics in Unix
A continuation of the topics begun in Intro to Unix. Topics include advanced shell programming techniques, regular expressions and pattern matching, advanced searching and filtering using sed and awk, advanced file system utilities, network utilities and kernel utilities. Additional topics could include programming using Perl and CGI scripting. Prereq: 28CS186. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28CS257
Introduction to Perl Programming
An introduction to the Perl Programming language. Topics include running and debugging Perl scripts, I/O and flow control, Perl operators and logical statements, variables and variables scope, control structure, strings, arrays and hashes, file handling techniques, and regular expressions. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS258
Advanced Perl Programming
This course continues the introduction from Perl Programming I to more advanced topics in Perl. Topics will include objects and modules, advanced I/O manipulation, process management, advanced regular expressions, CGI and advanced data structures. Prereq: 28CS257. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS259
Server-Side Programming
Introduction to data processing on the server to facilitate communication between a client and a server, thus allowing for interactive applications. One of several current programming implementations will be decided upon by the instructor. Perm of Instructor. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS261
JAVA Programming I
Introduction to the object-oriented JAVA programming language. Topics include object-oriented programming concepts, data types, math operators, iteration control, conditional statements, JAVA applets, packages and interfaces. BoK: NS. Credit Level: U. Credit Hrs: 3.00

Computer Science

28CS262
Java Programming II
This course continues the introduction from Java Programming I to the methodology of object-oriented modeling and design, GUI development, and event-driven programming. The course emphasizes fundamental software engineering principles as well as more advanced programming skills. Prereq: 28CS261. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS275
Database Design
This course provides a detailed discussion of database design methodologies. Topics include requirement's analysis, as well as conceptual, logical and physical design. Class projects will include the design and implementation of an enterprise database in which students will employ professional design and implementation tools. Prereq: 28CS175. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28CS276
Database Application Programming
Database application programming in a multiuser environment. Topics include user interface design, advanced SQL, client-server concepts, application languages, and security issues. Prereq: 28CS175. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28CS284
Networking I
An introduction to data communications networks. Topics include the OSI model, design and performance issues for the physical and data link network layers including network topologies, access methods, data representation, data transmission, error detection and correction, media characteristics, and LAN design. Prereq: 28CS173, 28CS175. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CS285
Networking II
Concepts and operational issues for the network and transport layers of the OSI and Internet models. Topics include internet architectures, addressing internet protocols, network applications, routing, error detection and correction, and internet design. Prereq: 28CS284. BoK: NS. Credit Level: U. Credit Hrs: 4.00

28CS290
Systems Administration
Installation, configuration, and management of operating systems and other system software. Topics include disk partitioning, file system structure, dynamic libraries, user and group maintenance, printing, security, and other administrative tasks. Prereq: 28CS186. Coreq: 28CS284. BoK: QR. Credit Level: U. Credit Hrs: 4.00

28CS291
Server Administration
Installation, configuration, and management of peer-to-peer and client-server systems. Topics include access control and security, resource management, error and disaster control, server installation and maintenance, and operations analysis. Prereq: 28CS284. BoK: QR. Credit Level: U. Credit Hrs: 4.00

Dental Hygiene

28DHYG135
Independent Study I: Clinic Observation
This course is designed to introduce the pending or first year dental hygiene student to the curriculum for clinical practice of dental hygiene. The student will spend one hour observing dental hygiene students and one hour researching a dental hygiene procedure. Pre-Requisite: None. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28DHYG136
Independent Study II: Professional Activity
This course is designed to introduce the pending or dental hygiene student to research or scholarly activities in the dental hygiene profession. The student can choose manuscript preparation, professional presentation, or community service as the activity. Pre-
Dental Hygiene

28DHYG136
Independent Study II: Professional Activity
Requisite: None BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG137
Independent Study III: Intern
This course is designed to introduce the second year dental hygiene student to clinical teaching and evaluation. The student will serve as an intern and shadow faculty in a laboratory/clinical teaching environment. Pre-Requisite: 28 DHYG 203 BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG143
Oral Anatomy I
The study of the human dentition and surrounding oral structures. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG144
Oral Anatomy II
A continuation of the study of the oral cavity and related structures with emphasis on head and neck anatomy and the associated histological and embryological concepts. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG145
Topics in Dental Hygiene I
This course is designed to introduce the dental hygiene student to situations in dental hygiene care. Content includes current practice theories related to clients with special needs. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG146
Topics in Dental Hygiene II
This course is a continuation of Topics in Dental Hygiene I. The dental hygiene student is introduced to other, unique situations in dental hygiene care. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28DHYG151
Dental Hygiene Techniques I
Instruction in pre-clinical instrumentation and fundamental principles of clinical dental hygiene, including clinical participation. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG152
Dental Hygiene Techniques II
A continuation of Dental Hygiene Techniques I. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28DHYG171
Introduction to the Practice of Dental Hygiene
An overview of dental hygiene including topics such as the history, terminology, range of professional responsibilities, and introductory periodontal concepts. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG172
Dental Hygiene Research Methodologies
This course introduces the dental hygiene student to evidence based research as it relates to the practice of dental hygiene. Content includes research process, data collection and analysis, and a critique of the literature. Emphasis is placed on the role of the dental hygienist as a critical thinker and user of evidence based research in dental hygiene practice. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG178
Community Oral Health I: Health Education
Presentation of various methods, materials, and resources utilized in teaching different populations. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG181
Pathology
A study of fundamental disease processes with special emphasis directed toward tissues of the oral cavity. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Dental Hygiene

28DHYG201
Clinical Practicum I
Clinical application of dental hygiene principles and techniques with supplemental lectures. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28DHYG202
Clinical Practicum II
A continuation of the practical application of dental hygiene techniques with supplemental lectures related to the clinical practice of the dental hygienist. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28DHYG203
Clinical Practicum III
A continuation of the practical application of dental hygiene techniques, with supplemental lectures related to methods of pain control and clinical dental hygiene. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28DHYG204
Clinical Practicum IV
A continuation of the practical application of dental hygiene techniques, with supplemental lectures related to gerontology. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28DHYG271
Dental Hygiene Seminar
A seminar course designed to include advanced topics in areas of clinical practice. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28DHYG278
Community Oral Health II: Public Health
Introduction to philosophic concepts of community health organization, structure, and program planning, with specific emphasis on preventive dentistry. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG279
Oral Radiography
A study of fundamental principles and radiographic techniques through lectures, demonstration, and laboratory experience. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG282
Periodontics
The principles of periodontal diseases, their classification, cause, treatment and preventive measures. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG283
Theory and Application of Dental Materials
A course designed to present information concerning composition, properties, and manipulation of dental materials with laboratory practice. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28DHYG284
Dental Hygiene Practice Management
Discussion of job search skills, licensure, legislation, and office procedures, as well as career options in dental hygiene and other topics of personal and professional growth. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG285
Nutrition for Dental Hygiene
An introduction to the fundamentals of the science of nutrition with special emphasis on nutritional counseling as part of preventive dentistry. Prereq: 28BIOL201, 28BIOL202, 28BIOL203. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28DHYG286
Dental Hygiene Review
This elective course reviews topics in Dental Hygiene for National Board Examination and Northeast Regional Board Examination preparation. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28DHYG287
Local Anesthesia I
This course provides the dental hygiene student with didactic content suitable for preparation of the Board Examination and Northeast Regional Board Examination. BoK: NA. Credit Level: U. Credit Hrs: 2.00
Dental Hygiene

28DHYG287 Local Anesthesia I

28DHYG288 Local Anesthesia II
This course provides the dental hygiene student with didactic content on the techniques of maxillary and mandibular anesthesia as well as the laboratory/clinical experience performing infiltration and block anesthesia required by the state dental board. Prerequisite: 28DHYG287 Prereq: 28DHYG287. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28DHYG299 Service Learning in Dental Hygiene
Involvement in an organized community service project with an academic component. BoK: NA. Credit Level: U. Credit Hrs: 1.00

Early Childhood Education

28ECE231 Social Inequalities and Schooling
Provides prospective teachers with an introduction to a variety of effective instructional techniques for students of any race, gender, religion, socioeconomic status, or intellectual ability. BoK: SE. Credit Level: U. Credit Hrs: 3.00

28ECE299 Service Learning: Early Childhood Education
Involvement in an organized community service project with an academic component. Provides an opportunity to apply course related material to a practical situation. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00-3.00

Economics

28ECON101 Principles of Economics I
An introduction to our economic system. Supply and demand analysis. Price determination under market structures characterized by varying degrees of competition. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28ECON102 Principles of Economics II

28ECON103 Principles of Economics III
Theory of income distribution, the major income shares and related policy issues. The public sector -- resource and income allocation. International economics. Prereq: 28ECON102. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28ECON277 Money and Banking
Origin and functions of the American banking system and the impact of monetary policy on the economy. Prereq: 28ECON101, 28ECON102. BoK: SS. Credit Level: U. Credit Hrs: 3.00

Educational Foundations

28EDFN130 Professional Development: Introduction to Education
A course that provides education students with the readings and field experiences to explore schools in society and the knowledge, dispositions, and performances required to be a successful teacher

28EDFN131 Schooling and Teaching in American Society and Professional Development
An introduction to American schools today, including the social, political and economic structures of schools and discussions about teaching. This course explores teaching as a profession. Roles and responsibilities, developing portfolios, the tenure system, professional development, diversity of learners, and student support issues will be discussed. Coreq: 28ECE299. BoK: SE. Credit Level: U. Credit Hrs: 4.00

28EDFN171 Technology for Educators
Teaches students to identify, locate, evaluate, design, prepare, and efficiently use educational technology as an instructional resource in the classroom related to principles of learning and teaching a diverse group of students and learning styles. It will include legal and ethical use of technology. Assistive technology information will be provided to enable future teachers to successfully teach students with a wide range of disabilities. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28EDFN271 Educational Psychology
Covers the major theories in human development, learning, motivation, instructional strategies, assessment, and similarities and differences in learners. Environmental factors in learning are also explored. Prereq: 28PSYC102, 28PSYC205. BoK: SS. Credit Level: U. Credit Hrs: 4.00

28EDFN299 Service Learning: Education Foundations
Involvement in an organized community service project with an academic component. Provides an opportunity to apply course related material to a practical situation. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00-3.00

Educational Studies

28EDST201 Schooling and Teaching in American Society and Professional Development
An introduction to American schools today, including the social, political and economic structures of schools and discussions about teaching. This course explores teaching as a profession. Roles and responsibilities, developing portfolios, the tenure system, professional development, diversity of learners, and student support issues will be discussed. Coreq: 28ECE299. BoK: SE. Credit Level: U. Credit Hrs: 4.00

28EDST275 Educational Psychology
Covers the major theories in human development, learning, motivation, instructional strategies, assessment, and similarities and differences in learners. Environmental factors in learning are also explored. Prereq: 28PSYC102, 28PSYC205. BoK: SS. Credit Level: U. Credit Hrs: 4.00

Elementary Education

28ELE299 Service Learning: Elementary Education
Involvement in an organized community service project with an academic component. Provides an opportunity to apply course related material to a practical situation. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00-3.00

Electronic Media Technology

28EMDT166  Cincinnati Television History
Examines the early development of commercial television in Cincinnati, the characteristic genres of live local programming and the major contributions of the "Cincinnati school" of TV broadcasting. Course content is explored through primary sources from local media archives. Students are involved in both original research and documentary production activities. BoK: FA., HP. Credit Level: U. Credit Hrs: 3.00

28EMDT167  Photographic Vision
An introduction to the historical tradition in photography emphasizing the impact the medium has had upon our ways of understanding and experiencing the world. Includes examination of techniques for responding to photographic images, for analyzing aesthetics and structure and understanding the layers of meaning inherent in photographic images. BoK: FA., HP. Credit Level: U. Credit Hrs: 3.00

28EMDT168  History of Animation
Explores the history of animation from the earliest experiments through the advent of computer graphics. Examines animation techniques and procedures, with coverage of classic cel animation, stop-motion photography, experimental techniques, and the latest computer graphics techniques. Examples of both classic and experimental animation will be screened and discussed. Open to non-majors BoK: HP., FA. Credit Level: U. Credit Hrs: 3.00

28EMDT161  Media Research Methods
Introduction to methods, resources and critical evaluation strategies for practical research in media for production, reporting and scholarly purposes. Examines information sources such as print, electronic resources, professional organizations and stock image collections for content research and location of production elements. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28EMDT162  Media Business/Law
A survey of commercial media and communications distribution systems with emphasis on economic, political and legal issues. Examines emerging business opportunities within the field. Also examines legal issues of media production including contracts, copyright and licensing. BoK: SE. Credit Level: U. Credit Hrs: 3.00

28EMDT160  Electronic Media Survey
Overview of contemporary applications of electronic media and communications technologies in the realms of art and music, broadcasting and entertainment, business, education, and science. Emphasis on aesthetic, cultural, economic, and social influences of media in society. BoK: HU., SE. Credit Level: U. Credit Hrs: 3.00

28EMDT163  Media Aesthetics and Criticism
Introduction to applied media aesthetics and the component perceptual elements of light, space, time-motion, and sound. Provides a foundation for development of formative evaluation techniques within the production environment. Includes examination of critical response approaches to media, with emphasis on criteria-based evaluation strategies derived from a variety of critical models. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28EMDT164  American Cinema
An introductory film studies course focusing on Hollywood filmmaking as an art form, and economic force, and a system of representation and communication. Explores how films work technically, artistically and culturally. BoK: FA., HP. Credit Level: U. Credit Hrs: 3.00

28EMDT165  American Film Noir
Examination of key works in the film noir cycle from 1940 to 1958. Includes discussion of major thematic and stylistic influences such as German expressionism, American crime films, Italian neorealism films, and hard-boiled American crime fiction. Also covers the depiction of women in film noir, the cultural and political forces contributing to this dark and pessimistic film genre and the basic underlying theme of doomed fate. BoK: FA., HP. Credit Level: U. Credit Hrs: 3.00

28EMDT166  Cincinnati Television History

H=University Honors course.
Fundamentals of Animation
28EMDT251
Introduction to basic concepts and principles of animation. Topics include history, storyboarding, motion concepts, layout, and production techniques. Prereq: 28EMDT251. BoK: FA. Credit Level: U. Credit Hrs: 3.00

3-D Gaming: Modeling
28EMDT259
Introduction to basic concepts and principles of 3-D modeling for gaming, illustration, and other applications. Topics include concepts of working in 3-D space, building models using geometric primitives, and creation of virtual environments. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Audio for Broadcast
28EMDT261
Introduction to audio production techniques for broadcast video application including microphone selection and placement, approaches to unobtrusive recording, optimizing field and studio sound recordings, and audio sweetening. Includes review of audio recording fundamentals appropriate to video production. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Documentary Production
28EMDT263
Introduction to the development and production of documentary videos. Examines the concepts, structure, and styles of documentaries including cinema verite and direct cinema. Story structure, interview techniques, and editing styles are also developed through hands-on exercises and assignments, the photographic essay and the video techniques used produce stories for broadcast. Prereq.: 28 EMDT 241 or perm of instr. Prereq: 28EMDT241. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Video Studio Production
28EMDT264
Practical application of production skills toward the creation of an original television series for broadcast over the college television station (UCTV). Primary emphasis will be on live multi-camera studio production. Prereq.: 28 EMDT 241 or perm of instr. Prereq: 28EMDT241. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Video Field Production
28EMDT265
Examines the logistical and technical approaches for production of quality video on location, under a variety of lighting and environmental conditions. Covers pre-production planning, site surveying and securing locations, resolving conflicting light sources and color temperatures, and advanced camera techniques. Prereq: 28EMDT241. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Digital Graphics
28EMDT253
Introduction to vector graphics for electronic media production. Explores transparency, gradients and fills, typography, composition and layout using a variety of computer graphics software applications. Prereq: 28EMDT151. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Motion Graphics
28EMDT254
Introduction to motion graphics, visual effects, and titles for film, video, multimedia, and the Web. Topics include typographic design, alpha channels, keys, masks, layers, and mixing 2D and 3D graphics. Prereq: 28EMDT253. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Fundamentals of Animation
28EMDT255
Introduction to basic concepts and principles of animation. Topics include history, storyboarding, motion concepts, layout, and production techniques. Prereq: 28EMDT251. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Electronic Media Technology

28EMDT271 Multimedia Production I
Examination of techniques for the production of interactive multimedia programs integrating text, graphics, audio, and video in the digital environment. Focuses on the use of current authoring systems to provide user-controlled navigation through the program. Includes coverage of basic interface design concepts and interactive planning strategies. Prerequisite: 28EMDT232, 28EMDT222. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT272 Multimedia Production II
Advanced examination of authoring software including scripting, program interactivity, gaming strategies and applications for output to the web. Also covers advanced interface design issues and integration of digital audio, video and animation techniques into the interactive multimedia environment. Prerequisite: 28EMDT271. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT273 DVD Authoring and Production
Covers the fundamentals of DVD production and includes menu creation, interactivity, motion creation, transitions, multi-angles, multimedia audio, basic scripting, and multistory lines. Flow chart planning is also discussed. Prerequisite: 28EMDT232, 28EMDT241. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT274 Digital Image Applications
Design of digital images for use in media-rich web and multimedia applications. Examines image editing software and utilities to format bitmap and vector graphics for the web. Includes coverage of color painting, photo retouching, image editing, rollovers, image maps, and web animations. Also discusses common web file formats, file conversion, optimization for quick downloading, and batch processing of graphics. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT275 Flash: Rich Media Design
Introduction to development of rich media applications using Macromedia Flash to produce animation, sound, and video for web and multimedia projects. Explores the creation of graphics, text and animation for web and stand-alone media production, and the fundamentals of creating applications allowing users to interact with Flash movies. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT276 Flash Application Development
Examination of the development and production of media-rich web applications using Macromedia Flash ActionScripting. Focuses on using screens, built-in components, behaviors, and data binding to develop Flash applications. Introduces ActionScript language and provides overview of object-oriented programming constructs, including conditional logic and functions, for non-programmers. Programming experience not required. Prerequisite: 28EMDT275. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT281 Basic Web Production
Introduction to basic web site design and development. Covers the fundamentals of HTML using both graphical and text-based editing software. Also examines the characteristics and fundamentals of designing graphics for electronic display and web application using standard image editing software. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT282 Advanced Web Production
Continuation of web production and design techniques introduced in Basic Web Production with focus on web site planning, usability, and design. Includes advanced examination of cascading style sheets (CSS), WYSIWYG editors, and other web technologies. Prerequisite: 28EMDT281. BOK: FA. Credit hours: 3.00

28EMDT283 Advanced Web Production Level
Level: U. Credit hours: 3.00

28EMDT284 Streaming Media Production
An introduction to creating streaming audio and video for use on the Internet. Topics include web hosting, live events, server software, encoding and decoding, compression formats, image and sound quality, learner applications, multicasting, and copy protection. Prerequisite: 28EMDT281. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT290 Special Topics in Media I
A seminar course of variable content focusing on selected topics related to the history, theory, or practice of media communications and production. Provides coverage of topical issues based on technological advancements and faculty expertise. Repeatable to a maximum of 6 credit hours with permission of program director. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT291 Special Topics in Media II
A seminar course of variable content focusing on selected topics related to the history, theory, or practice of media communications and production. Provides coverage of topical issues based on technological advancements and faculty expertise. Repeatable to a maximum of 6 credit hours with permission of program director. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT292 Special Topics in Media III
A seminar course of variable content focusing on selected topics related to the history, theory, or practice of media communications and production. Provides coverage of topical issues based on technological advancements and faculty expertise. Repeatable to a maximum of 6 credit hours with permission of program director. BOK: FA. Credit level: U. Credit hours: 3.00

28EMDT293 Professional Practice I
Required annual portfolio and professional review seminar for students matriculated in Electronic Media Communications programs. Focuses on portfolio preparation and presentation, resume development, and review of professional development and academic standing within the department. Repeatable to a maximum of six credit hours. Pre-Requisite: eMedia Communications majors only. BOK: FA. Credit level: U. Credit hours: 1.00

28EMDT299 Service Learning in Electronic Media
Involvement in an organized community service project with an academic component. BOK: NA. Credit level: U. Credit hours: 1.00

28EMDT390 Advanced Special Topics in Media
An advanced seminar course of variable content focusing on selected topics related to the history, theory, or practice of media communications and production. Provides coverage of topical issues based on technological advancements and faculty expertise. Repeatable to a maximum of six credit hours with permission of program director. PreReq: Permission of Instructor Perm of Instructor. BOK: FA, HP. Credit level: U. Credit hours: 3.00

28EMDT391 Media Studies Practicum
Application of academic knowledge and analytic skills to critical and historical problems in media studies. Provides focused opportunities for research and writing on both contemporary and historical media forms and production technology. Prerequisite: 28EMDT161, 28EMDT163. BOK: HU. Credit level: U. Credit hours: 3.00

H—University Honors course.
Paramedic Theory II
Course meets state and national educational standards. Emphasis on pathophysiology, assessment and management of medical, trauma, obstetrical and pediatric emergencies. Prereq: 28EMS102. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28EMS111
Paramedic Laboratory Practice I
Course meets state and national educational standards. Laboratory sessions include advanced airway management techniques, use of oxygen assessment adjuncts, and critical interventions for situations involving respiratory distress. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28EMS112
Paramedic Laboratory Practice II
Course meets state and national educational standards. Laboratory practice is directed at skill mastery and review of learned interventions. Prereq: 28EMS111. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28EMS113
Paramedic Laboratory Practice III
Course meets state and national educational standards. Laboratory practice is directed at skill mastery and review of learned interventions. Prereq: 28EMS112. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28EMS121
Paramedic Clinic Education I
Course meets state and national education standards. Clinical education includes introduction to the prehospital environment, in-hospital clinical practicum and skill practice. Students practice skills under the direct supervision of a preceptor in both the prehospital and in-hospital environments. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28EMS122
Paramedic Clinical Education II
Course meets state and national educational standards. Clinical education continues with monitored skill practice on an advanced life support ambulance and in hospital clinical areas. Students practice skills under the direct supervision of a preceptor in both the prehospital and in-hospital environments. Prereq: 28EMS121. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28EMS123
Paramedic Clinical Education III
Course meets state and national educational standards. Clinical education involves a field internship where students are incorporated into a role-transition process of acting as a team leader in emergency care situations. Includes review of National Registry examination process. Prereq: 28EMS122. BoK: NA. Credit Level: U. Credit Hrs: 9.00

28EMS141
Emergency Medical Technician--Basic I
This is an introductory course to out-of-hospital emergency victim care. This course is a prerequisite to paramedic education. Students must be at least 18 years old and have a high school diploma or GED. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28EMS142
Emergency Medical Technician--Basic II
Builds upon concepts learned in EMT-BII, with focus on medical emergencies, trauma care, and the emergency care of children. Clinical portion is at a level I trauma center. Satisfactory completion of this course allows the student to sit for the Ohio EMT-Basic certification examination. Prereq: 28EMS141. BoK: NA. Credit Level: U. Credit Hrs: 3.00
Emergency Medical Services

28EMS181 First Emergency Responder
This course introduces the fundamentals of providing emergency care to the sick and injured until more highly trained personnel arrive. Students must be at least 18 years old and hold a high school diploma or GED. Satisfactory completion of this course allows the student to sit for the Ohio First Responder certification exam. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28EMS312 Advanced Cardiac Life Support
Learn basic cardiac rhythm interpretation and pathophysiology, management of cardiac emergencies, and pharmacological interventions according to current American Heart Association Guidelines. An ACLS card will be awarded upon completion. BoK: NA. Credit Level: U. Credit Hrs: 3.00

English

28ENGL081 ESL Basic Academic English
This course provides non-native speakers of English an opportunity to develop and practice basic English listening, speaking, reading, and writing skills needed to prepare for entrance into Preparatory Reading and Writing I. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL095 Preparatory Reading and Writing I
An integrated course to help students develop proficiency in reading and writing. The writing component stresses sentence, paragraph, and essay level skills using experiential writing. The reading component stresses the comprehension skills of understanding literal facts and concepts, main and supporting ideas. Does affect grade point average, but does not satisfy degree requirements. Mandatory placement based on the results of the English placement essay or successful completion of Preparatory Reading and Writing I. BoK: NA. Credit Level: U. Credit Hrs: 6.00

28ENGL097 Preparatory Reading and Writing II
An integrated reading and writing course at the intermediate level. The writing component stresses basic essay writing skills, including response to texts. The reading component stresses comprehension skills and introduces critical reading and inferences. Does affect grade point average, but does not satisfy degree requirements. Mandatory placement based on the results of the intermediate level placement exam or successful completion of Preparatory Reading and Writing I. BoK: NA. Credit Level: U. Credit Hrs: 6.00

28ENGL099 Preparatory Composition
Instruction in the basic literacy skills generally required of college writers. Students will practice these skills by writing essays as well as by summarizing and responding to texts. Does not satisfy degree requirements, but does affect grade point average. Mandatory placement based on results of English placement essay or successful completion of Preparatory Reading and Writing II. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL101 English Composition I
An introductory college composition course focusing on critical reading and writing with an introduction to using library and electronic resources. Academic writing tasks include personal, expository, analytical, and persuasive essays. Readings are primarily essays and non-fiction. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL101H English Composition I: Honors
An honors section of the introductory college composition course focusing on rhetorical awareness, academic writing, and critical reading and thinking, with an introduction to using library and electronic resources. The course may include a thematic focus and/or a

28ENGL102 English Composition II
A continuation of introductory college composition, focusing on more advanced assignments in critical reading and writing. Academic writing tasks include expository, analytical, and persuasive essays. Continued emphasis on developing proficiency in library and electronic research and management of sources. Readings are from various genres, including fiction and non-fiction. Prereq: 28ENGL101. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL102H English Composition II Honors
A continuation of first-year composition, focusing on more advanced assignments in critical reading and academic writing, with emphasis on inquiry-based research. Enrollment limited to students in the UC Honors Scholars Program. Prereq: 28ENGL101. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL120 Reading in the Disciplines: Biological Sciences
A course in reading academic texts in the biological sciences, to be taken concurrently with an introductory biology course. Students will apply strategies learned in this course to reading assignments in their biology textbook. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ENGL121 Reading in the Disciplines: Business
A course in reading academic texts in business, to be taken concurrently with an introductory business course. Students will apply strategies learned in this course to reading assignments in their business textbooks. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ENGL150 Mastering Sentence Skills
Instructions in writing and proofreading sentences, using standard formal sentence structure, punctuation, grammar, and mechanics. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL171 Student Newspaper Workshop I
Introduction to basic journalistic techniques. Class produces student newspaper during autumn quarter. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL172 Student Newspaper Workshop II
Continued introduction to basic journalistic techniques. Class produces student newspaper during winter quarter. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL173 Student Newspaper Workshop III
Continued introduction to basic journalistic techniques. Class produces student newspaper during spring quarter and edits the college literary magazine. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL174 College Reading
3 uq.cr. Strategies for improving comprehension, speed, vocabulary, and critical reading skills. Prerequisite: Qualification for 28ENGL099 or 28ENGL101. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL175 College Study Skills I
3 uq.cr. 2 hrs lecture, 1 hr lab per week. Strategies for improving time management, note taking, reading textbooks, test taking, goal setting, concentration, memory, learning styles, and other study skills. BoK: NA. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
28ENGL176 College Study Skills II
3 ug.cr. Lab only. Continue improving skills taught in 28ENGL175. Pre.Req.: 28ENGL175 Prereq: 28ENGL175. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL177 College Study Skills III
3 ug.cr. Lab only. Continue improving skills taught in 28ENGL176. Pass/Fail grade. Prerequisite: 28ENGL176 Prereq: 28ENGL176. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL178 Business English
An in-depth course to effect a high degree of proficiency in grammar, usage, punctuation, and mechanics for effective business managers. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL179 Study Skills for Professional Disciplines
3 ug.cr. Provides students with the tools and insights into learning complex materials required in a professional discipline. Students will be taught to problem-solve and to think analytically and critically. Topics include time management systems, methods for learning vocabulary, strategies for reading textbooks, using texts for test preparation, identifying and setting specific and realistic goals, improving memory, test taking and preparation. Corequisite: Currently enrolled in 28NSTN191 or another professional program with permission of instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL184 Topics in Study Skills I
Selected study skills topics and strategies such as note taking, reading texts, building vocabulary, memory, time management, problem-solving, goal setting, critical thinking, learning styles, traditional and online classroom protocol, among others, chosen to highlight ways for students to be more successful academically and professionally. Topics vary and are described in listings available from the English office each term. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ENGL185 Topics in Study Skills II
Selected study skills topics and strategies such as note taking, reading texts, building vocabulary, memory, time management, problem-solving, goal setting, critical thinking, learning styles, traditional and online classroom protocol, among others chosen to highlight ways for students to be more successful academically and professionally. Topics vary and are described in listings available from the English office each term. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ENGL186 Topics in Study Skills III
Selected study skills topics and strategies such as note taking, reading texts, building vocabulary, memory, time management, problem-solving, goal setting, critical thinking, learning styles, traditional and online classroom protocol, among others chosen to highlight ways for students to be more successful academically and professionally. Topics vary and are described in listings available from the English office each term. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28ENGL201 Topics in Literature I
Selected readings chosen to highlight specific literary problems of theme, technique, literary and social heritage or cultural issues. Individual topics are described in listings available from the English office each term. Prereq: 28ENGL102. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL202 Topics in Literature II
Selected readings chosen to highlight specific literary problems of theme, technique, literary and social heritage or cultural issues. Individual topics are described in listings available from the English office each term. Prereq: 28ENGL102. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL203 Topics in Literature III
Selected readings chosen to highlight specific literary problems of theme, technique, literary and social heritage or cultural issues. Individual topics are described in listings available from the English office each term. Prereq: 28ENGL102. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL205 Creative Nonfiction
An overview and exploration of the creative nonfiction genre that may focus on subgenres, such as personal essay, nature writing, memoir, or travel writing. The course will encompass both the reading and writing of nonfiction essays. Historic and contemporary readings will be assigned. Students will be required to participate in a workshop setting, and to write a variety of creative nonfiction essays. Artistic strategies, critical reading skills, and participation and workshop discussion skills will be covered. Prereq: 28ENGL102. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL207 American Writers I
Selected works in American literature from the Colonial period to 1865. Prereq: 28ENGL102. Transfer Module. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL208 American Writers II
Selected works in American literature from 1865 to 1930. Transfer Module. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL209 American Writers III
Selected works in American literature from 1930 to present. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL210 Independent Study in English
A course designed to allow students to pursue an individualized learning project with approval of and under supervision of a faculty member. BoK: NA. Credit Level: U. Credit Hrs: 1.00-6.00

28ENGL211 Creative Writing: Fiction
A study of narrative techniques with particular emphasis on the student’s own writing. Prereq: 28ENGL102. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28ENGL216 Creative Writing Drama
A study of dramatic techniques with particular emphasis on the student’s own writing. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28ENGL217 Creative Writing Poetry
A study of poetic techniques with particular emphasis on the student’s own writing. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28ENGL221 World Literature Survey I
Historical survey of classics of ancient literature through 500 A.D. Prereq: 28ENGL102. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL222 World Literature Survey II
Historical survey of classics of world literature from 500 A.D. to 1650 A.D. Prereq: 28ENGL221. BoK: LT. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
English

28ENGL223 World Literature Survey III
Historical survey of classics of British and world literature (excluding American) 1650 through 1900. Prereq: 28ENGL222. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL241 Women in Literature I
An exploration of the images of women reflected in classic literature by and about women. Prereq: 28ENGL102. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL242 Women in Literature II
An exploration of the images of women reflected in contemporary literature by and about women. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL243 Women in Literature III
An exploration of the images of women reflected in English and American women poets from the early Renaissance to the end of the twentieth century. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL281 Twentieth-Century Short Story
Twentieth-century thought and expression in the short story. Composition. Transfer Module. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL283 Twentieth-Century Novel
Twentieth-century thought and expression in the novel. Transfer Module. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL285 Twentieth-Century Drama
Twentieth-century thought and expression in the drama. Transfer Module. BoK: LT. Credit Level: U. Credit Hrs: 3.00

28ENGL289 Intermediate Composition
Using specific themes drawn from broad disciplinary fields, this intermediate level, General Education course builds upon and enhances the writing and reading skills developed in English Composition. The course emphasizes critical reading and writing, more advanced research and argumentative skills, and rhetorical understanding of discourse as it is used in different disciplines and discourse communities. Prereq: 28ENGL102. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ENGL292 Technical Communication
Development of skills needed for effective technical communication in industry. Written and oral reports, instructions, analyses, summaries, and descriptions of mechanisms. Prereq: 28ENGL102. BoK: HU. Credit Level: U. Credit Hrs: 3.00

28ENGL293 Writing for Study Abroad
A writing course or workshop in any mode (rhetorical, creative, creative nonfiction), or using a combination of modes, designed to be taught overseas or outside the U.S. as part of the RWC Study Abroad Program. Course links writing assignments to the study abroad location. BoK: LT., DC. Credit Level: U. Credit Hrs: 3.00

28ENGL294 Literature for Study Abroad
The study of literature of literary topics, using any time period, genre or combination thereof, in a course designed to be taught overseas or outside the U.S. as part of the RWC Study Abroad Program. Course links material taught to the study abroad location. BoK: LT., DC. Credit Level: U. Credit Hrs: 3.00

English

28ENGL295 Study Abroad English I
For students studying in a foreign country through the auspices of Raymond Walters College. BoK: LT., DC. Credit Level: U. Credit Hrs: 1.00-6.00

28ENGL296 Study Abroad in English II
For students studying in a foreign country through the auspices of Raymond Walters College. BoK: LT., DC. Credit Level: U. Credit Hrs: 1.00-6.00

28ENGL371 Literature and the Visual Arts
Literature and the Visual Arts examines the intersection of literary writing and a range of visual media—drawing, painting, photography, sculpture, collage, film, and graphic arts. Students will read poetry, fiction, and essays inspired by visual media, and view visual media inspired by literary texts to identify techniques, influences, and issues raised in the work. Historical and/or cross-cultural perspectives are possible. Critical and creative projects, as well as out-of-class visits to museums and readings will be required. Prereq: 28ENGL102. BoK: FA, LT. Credit Level: U. Credit Hrs: 3.00

English as a Second Language

28ESL090 Introduction to Academic Reading and Writing
This course provides non-native speakers of English an opportunity to develop and practice basic English listening, speaking, reading, and writing skills needed to prepare for entrance into Academic Reading and Writing I. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28ESL095 Academic Reading and Writing I
An integrated course to help non-native speakers of English develop proficiency in reading and writing. The writing component stresses sentence, paragraph, and essay level skills. The reading component stresses the comprehension skills of understanding literal facts and concepts, main and supporting ideas. Does affect grade point average, but does not satisfy degree requirements. BoK: NA. Credit Level: U. Credit Hrs: 6.00

28ESL097 Academic Reading and Writing II
A more advanced integrated course to help non-native speakers of English develop proficiency in reading and writing. The writing component stresses basic essay writing skills, including response to text. The reading component stresses the comprehension skills of interpretation and analysis. Does affect grade point average, but does not satisfy degree requirements. BoK: NA. Credit Level: U. Credit Hrs: 6.00

Fine Arts - Music

28FAM201 History of Music I
A survey of Western art music from its origins in classical antiquity through the Middle Ages and Renaissance. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAM202 History of Music II
A continuation of the development of Western art music through the Baroque and Classic eras. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAM203 History of Music III
A study of Western art music in the Romantic and Modern periods. BoK: FA. Credit Level: U. Credit Hrs: 3.00
Fine Arts - Studio

28FAST141
Fine Arts: Drawing I
Observation and interpretation of form emphasizing composition in a variety of media. Introduction to perspective and basic art vocabulary. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST142
Fine Arts: Drawing II
Extension of Fine Arts: Drawing I. Varied subject matter and media with emphasis on compositional development and artistic expression. Prereq: 28FAST141. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST145
Drawing I for Non-Majors
Introductory drawing course for non-art majors. Students use black-and-white media (charcoal, conte crayon, graphite, and pen-and-ink) to explore techniques for spatial representation and composition of elements. Concepts and techniques are introduced through lectures, demonstrations, and examples. Introduction to the visual art vocabulary. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST146
Drawing II for Non-Majors
Continuation of black-and-white media study (charcoal, conte crayon, graphite, and pen-and-ink) for non-art majors. Emphasis on texture, pattern, and an introduction to portraiture. Prereq: 28FAST145. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST162
Experience Art
An appreciation course designed for non-art majors. Explores the arts by focus areas, such as drawing, painting, prints, sculpture, craft arts, film, and so forth. Students take field trips and create projects as a way to experience art and improve their understanding of it. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST231
Fine Arts: Painting I
Foundation experience in painting preparation, media, and techniques. Development of color theory, art vocabulary, and compositional skills as applied to the interpretation of basic form. Media: Acrylics. Prereq: 28FAST141. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST232
Fine Arts: Painting II
Watercolor painting through exploration of color and value relationships emphasizing the effects of light in compositional development. Analysis of renown work. Prereq: 28FAST141. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST241
Figure Drawing
Traditional figure drawing course with live models. Focuses on knowledge of anatomy, how portrayal of human figure reflects an ever-changing society, different techniques for figure drawing throughout history. Prereq: 28FAST142. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST261
Topics in Fine Art
Selected fine art studio techniques, themes, or focus for hands-on exploration with specific fine art media. Individual topics are described in listings available from the Art office. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28FAST271
Drawing for Design
Exploration of different media for rendering design ideas and subjects at all stages of their development for print or electronic output. Emphasis on nurturing creativity and using drawing to put ideas on paper for evaluation and refinement. Development of visual library and visual shorthand to depict subjects (figures, objects, architecture) for visual communication and comprehension. Prereq: 28FAST142, 28COMD276. BoK: FA. Credit Level: U. Credit Hrs: 3.00

Finance

28FIN201
Introduction to Investments I
Financial markets: types of investments (stocks, bonds, mutual funds, etc.), real estate investments, investment analysis, portfolio analysis, financial institutions. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28FIN202
Introduction to Investments II
Continuation of Introduction to Investments I. Prereq: 28FIN201. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28FIN211
Introduction to Risk Management and Insurance
Overview of the insurance industry; identifying and planning for business and personal risk exposures; using insurance for personal auto/home and commercial property/liability needs. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28FIN231
Financial Planning
The financial planning process, portfolio management, retirement planning, estate planning. BoK: NA. Credit Level: U. Credit Hrs: 3.00

French

28FREN101
Beginning French I
For beginning students: an introduction to the basic elements of the French language needed for communication. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN102
Beginning French II
See 28FREN101. Prereq: 28FREN101. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN103
Beginning French III
See 28FREN101. Prereq: 28FREN102. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN104
Elementary French I
For beginning students: emphasis on listening, speaking, reading, writing, culture. Successful completion of the three quarters satisfies college language requirement. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28FREN105
Elementary French II
See 28FREN104. Prereq: 28FREN104. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28FREN106
Elementary French III
See 28FREN104. Prereq: 28FREN105. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28FREN191
Introduction to French Film
This course provides student with an overview of French films. The focus is on representative films which highlight cultural and historical movements and events in the francophone world. The course is taught in English with films either in English or subtitled in English. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

French

28FREN201
Intermediate French I
Practice in speaking and writing the language with review of grammar; reading and discussion of selected texts. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN202
Intermediate French II
See 28FREN201. Prereq: 28FREN201. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN203
Intermediate French III
Fulfills language requirement. Prereq: 28FREN202. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN251
French Composition and Conversation I
Grammar review, practice in composition and conversation, culture, and selected readings. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN252
French Composition and Conversation II
See 28FREN251. Prereq: 28FREN251. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN253
French Composition and Conversation III
See 28FREN251. Prereq: 28FREN252. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28FREN261
Francophone Culture
This course provides a broad perspective of Francophone countries throughout the world: background, cultural differences, lifestyles, and other aspects of society. This course is taught in English. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28FREN262
French Culture and Civilization
This course provides students with an intensive two-week language, culture and travel program in Quebec city, Canada. It is designed for undergraduate students who have completed at least one year of French language study. This elective does not fulfill the foreign language requirement. Prereq: 28FREN103. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28FREN265
Survey of French Language Literature in Translation
This course provides students with an overview of French literature in translation. The focus is on key French authors and their works which highlight important literary movements in the francophone world. The course is taught in English. Prereq: 28ENGL102. BoK: DC, LT. Credit Level: U. Credit Hrs: 3.00

28FREN299
Service Learning in French
In this course, the student will be involved in an organized community service project with an academic component. Perm of Instructor. BoK: DC, HU. Credit Level: U. Credit Hrs: 1.00-3.00

Geography

28GEOG123
World Regional Geography: The Americas
Geographic perspectives on the problems facing North, Central, and South America, stressing population trends, debt management, resource use, cultural heritage, and environmental barriers. Perm of Instructor. Transfer Module. BoK: DC, SS. Credit Level: U. Credit Hrs: 3.00

28GEOG124
World Regional Geography: Europe
The physical environment and cultural structure of the continent. Rise of the contemporary political economy of Europe. Perm of Instructor.
American History I: 1820 to the Present
Survey of the United States from the age of discovery and colonization to 1820. Economic, social and political developments are stressed. Qualify for Freshman English. Transfer Module. BoK: HP. Credit Level: U. Credit Hrs: 3.00

American History II: 1820-1920
Survey of United States history from 1820 through World War I. Quality for Freshman English. Transfer Module. BoK: HP. Credit Level: U. Credit Hrs: 3.00

American History III: 1920 to the Present
Continues the survey of United States history from World War I, the Roaring Twenties, the Great Depression, the Cold War, through our

H=University Honors course.
History

28HIST295
Study Abroad in History
For students studying in a foreign country through the auspices of Raymond Walters College. BoK: HP., DC. Credit Level: U. Credit Hrs: 1.00-6.00

28HIST341
Ohio History I
Ohio history to 1865 using Cincinnati as a focal point. Early history of Ohio, Native American first settlements, Northwest Territory, statehood, problems of development, canals and railroads, growth and impact of cities, impact of the Civil War. Throughout, this course relates Ohio history to the region and the nation. BoK: HP. Credit Level: U. Credit Hrs: 3.00

28HIST351
History of World War II
A general history of World War II - causes, conduct, consequences - that provides the widest possible examination of the 20th century's most destructive war. Examines war at the political, strategic, operational, and tactical levels. Prereq: 28HIST110, 28HIST111, 28HIST112. BoK: HP. Credit Level: U. Credit Hrs: 3.00

28HIST352
The Cold War
An international history of the Cold War, emphasizing confrontation between the Western and Communist worlds and the continuing impact of that conflict. Prereq: 28HIST110, 28HIST111, 28HIST112. BoK: HP. Credit Level: U. Credit Hrs: 3.00

Health Education

28HPE101
Introduction to Health Promotion
This course introduces students to the historical foundations of health education. The current roles and responsibilities of health educators in a variety of health promotion and education settings are examined. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28HPE136
Community Health
This course introduces the student to the concepts of health, community and community health. The interconnectedness of health and other social issues is examined. BoK: SS. Credit Level: U. Credit Hrs: 3.00

Interdisciplinary

28INTR103
Career Decision Making
This course provides students with the opportunity to explore and assess their interests, abilities, values and personality traits through career assessments and experiential learning activities as it relates to making informed decisions about career and educational planning. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28INTR104
Introduction to Foreign Language
This course is designed for anyone interested in an introduction to the discipline of foreign languages. The emphasis is on basic communication in three of the languages offered within the department. This course does not fulfill the college foreign language requirement. BoK: DC., HU. Credit Level: U. Credit Hrs: 3.00

28INTR110
Introduction to the Liberal Arts
A topical interdisciplinary seminar, for liberal arts students. BoK: NA. Credit Level: U. Credit Hrs: 1.00

Information Systems

28IS175
Business Information Systems I
An introduction to information systems for the business student. Topics include (but are not limited to) types and uses of information systems, components of information systems (including hardware and software), security, and societal impact of information systems. Course requires use of business applications to solve problems. Pre-req: 28OATN179 or PI BoK: QR. Credit Level: U. Credit Hrs: 3.00

28IS275
Business Information Systems II
A continuation of the study of information systems for the business student. Topics include (but are not limited to) database management systems, telecommunications, system design and development, and global implications of information technology. Course requires use of business applications to solve problems. Prereq: 28IS175. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28IS285
E-Commerce: Principles and Implications
An overview of electronic commerce. Topics include the impact of e-commerce on functional areas of business, infrastructure requirements, and e-business design and implementation issues. Course incorporates case based analysis of e-commerce strategies. Prereq: 28MGMT181, 28IS175. BoK: DC. Credit Level: U. Credit Hrs: 3.00

Judaic Studies

28JUDC111
Beginning Hebrew I
First of a three-quarter beginning sequence introducing the basics of grammar, syntax, reading, writing and speaking skills of Modern Hebrew. This course should be followed by 28JUDC 112, 113, 114, 115 and 116, to fulfill the foreign language requirement. BoK: DC., HU. Credit Level: U. Credit Hrs: 3.00

28JUDC112
Beginning Hebrew II
Second of a three-quarter beginning sequence introducing the basics of grammar, syntax, reading, writing and speaking skills of Modern Hebrew. This course should be followed by 28JUDC 113, 114, 115 and 116, to fulfill the foreign language requirement. Prereq: 28JUDC111. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28JUDC113
Beginning Hebrew III
Third of a three-quarter beginning sequence introducing the basics of grammar, syntax, reading, writing and speaking skills of Modern Hebrew. This course should be followed by 28JUDC 114, 115, and 116 to fulfill the foreign language requirement. Prereq: 28JUDC112. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28JUDC114
Intermediate Hebrew I
First of a three-quarter intermediate sequence continuing the development of grammer, syntax, reading, writing and conversational skills of Modern Hebrew. This course should be followed by 28JUDC 115 and 116 to fulfill the Foreign Language requirement. Prereq: 28JUDC113. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28JUDC115
Intermediate Hebrew II
Second of a three-quarter intermediate sequence continuing the development of grammer, syntax, reading, writing and conversational skills of Modern Hebrew. This course should be followed by 28JUDC 116 to fulfill the Foreign Language requirement. Prereq: 28JUDC114. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

28JUDC116
Intermediate Hebrew III
Third of a three-quarter intermediate sequence continuing the development of grammer, syntax, reading, writing and conversational skills of Modern Hebrew. Successful completion of this course fulfills the Foreign Language requirement. Prereq: 28JUDC115. BoK: DC, HU. Credit Level: U. Credit Hrs: 3.00

Medical Assisting

28MA110 Anatomical Medical Terminology I
Medical terminology and human anatomy covering the integumentary, gastrointestinal, and respiratory systems. Prefixes, suffixes, and root words will be emphasized. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA111 Anatomical Medical Terminology II
Medical terminology and human anatomy covering the cardiovascular, hematic, lymphatic, musculoskeletal, and urogenital systems. Prefixes, suffixes, and root words will be emphasized. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA112 Anatomical Medical Terminology III
Medical terminology and human anatomy covering the endocrine and nervous systems, special senses, oncology, and female reproductive systems. Prefixes, suffixes, and root words will be emphasized. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA113 Pharmacology Terminology
Study of pronunciation, spelling, abbreviations, and definitions of pharmacology terms and medications. Emphasis will be placed on classification of medications, reading metric measurement, and proper abstracting of chart information for transcription of records. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA120 Introduction to Medical Assisting
Overview of the health care industry including organizations of ambulatory and solo practice offices, hospitals, and federal health care programs; health care delivery trends and issues; and role of medical assistant. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA121 Medical Front Office Procedures
Emphasis on forms, procedures, and practices related to managing a medical office. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA122 Basic Clinical Techniques
Designed to instruct routine procedures for physical examinations, including positioning and draping, techniques for obtaining temperatures, pulse, respirations, blood pressure, heights and weights, aseptic techniques, and charting medical histories. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA123 Medical Office Emergency Procedures
Procedures for patient assessment and treatment during medical office emergencies; application of accident prevention principles and maintenance of equipment/supplies in the medical office; CPR certification required. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA124 Administration of Medications
Examines the various types of drugs and familiarizes the student with the forms by which medications are administered. Utilization of proper sterile techniques and preparation of parenteral materials to be injected are included. Prereq: 28BIOL203. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA130 Medical Insurance
Introduction to private, governmental, self-insurance and managed care plans with emphasis on the claims process, reimbursement, and the terminology of insurance. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA131 Advanced Medical Insurance
This course is designed to further develop the student's knowledge of managed care plans, HMO contracting, claims appeal processing, electronic claims filing, hospital billing procedures, and DRGs. Prereq: 28MA130. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA132 Medical Coding
Concentration on medical claims coding using ICD-9-CM and CPT codes and chart documentation. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA133 Advanced Medical Coding
Course is designed to further develop accuracy in claims processing in medical insurance using CPT and ICD-9-CM codes in the areas of pathology, radiology, surgery and specialty procedures. Prereq: 28MA132. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA134 Managed Care Coding
Course is designed to increase the accuracy in claims processing in medical insurance using HCPCS codes for Medicare and Medicaid reimbursement. Prereq: 28MA133. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA140 Medical Transcription I
A beginning medical transcription course designed to provide a working knowledge of the transcription of medical reports, including a review of language art skills. Prereq: 28OATN179. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA141 Medical Transcription II
Transcription of authentic physician dictated reports organized by body systems or medical specialties. Emphasis on development of accuracy, speed and medical knowledge for transcribing of medical documents. Prereq: 28MA110, 28MA111, 28MA140. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA142 Medical Transcription III
Medical machine transcription with an emphasis on high speed document preparation. Prereq: 28MA141. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA143 Medical Transcription IV
Transcription of authentic physician dictated medical documents organized by body systems or medical specialties. Emphasis on progressively demanding speed, accuracy, and productivity standards. Prereq: 28MA142. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA150 Medical Topics I
A comprehensive study of common diagnostic procedures, tests, and disease processes organized by body systems. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA151 Medical Topics II
A comprehensive study of surgical instruments, techniques, and an understanding of radiological procedures. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA220 Medical Laboratory Procedures
Techniques to perform lab procedures in a medical office, including collection of specimens for testing/transport, venipuncture, urinalysis, cultures, quality control, and laboratory safety. Prereq: 28MA122. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA221 Family Practice Assisting Procedures
Clinical procedures performed in a family practice such as minor office
Medical Assisting

28MA221  
Family Practice Assisting Procedures  
surgery, bandaging and dressing changes, assisting with cast application and removal, administering ultrasound treatments, and patient education. Prereq: 28MA122, 28MA220. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA222  
Specialty Assisting Procedures  
Techniques required to perform advanced/ specialized procedures such as assisting with sigmoidoscopy, basic x-ray procedures, OB/GYN procedures, pediatric procedures, visual and auditory, screening, allergy testing and basic nutrition. Prereq: 28MA122. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA224  
Medical Office Computing  
Using the computer to enter appointments, set up accounts, print charge slips, complete insurance forms, set up audit trails, recall patients, and handle medical office paperwork. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA225  
Medical Office Ethics  
This course familiarizes the student with the policies and procedures used in an ambulatory care setting to define the medical assistant’s legal and ethical behaviors in regard to OSHA regulations, public health rules, office protocol, and aspects of the physician’s civic duties. Perm of Instructor. BoK: SE. Credit Level: U. Credit Hrs: 3.00

28MA226  
Medical Practicum I  
Introduction to the ambulatory care clinical setting involving structured observation and participation in the administrative and clinical aspects of patient care under the supervision of a licensed physician or certified medical assistant. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA227  
Medical Practicum II  
Intermediate experience in a physician’s office involving structured observations and participation in the administrative and clinical aspects of patient care under the supervision of a licensed physician or certified medical assistant. Prereq: 28MA226. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA270  
Health Information Management I  
An introduction to learning about health information management as a profession, patient and health care data systems, and data collection methods. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA271  
Health Information Management II  
A course that includes health information management functions: data quality, access, and retention procedures. Course includes discussion of classification systems, clinical vocabulary and nomenclatures. Prereq: 28MA270. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA272  
Health Record Statistics and Data Presentation  
Theory and application of health care statistics as related to data set definitions and uses, mathematical review, statistical data collection, computation of statistical formulae, and collection and reporting of vital statistics and clinical abstracting, with emphasis on knowledge of abbrev., lab tests, treatments, signs and symptoms, and drug therapies. Prereq: 28MA271, 28MATH132. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MA273  
Health Record/Quality Review  
A course that includes quality assessment and monitoring, case management, risk management, and credentialing under current external regulatory guidelines and accreditation requirements. Prereq: 28MA272. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Mathematics

28MATH104  
Preparatory Mathematics  
A review of the arithmetic operations involving whole numbers, fractions, decimals, percents, and signed numbers; introductory work with exponentiation, root extraction. Algebra is introduced as the generalization of the processes of arithmetic. Problem solving is emphasized. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MATH132  
Introductory Algebra I  
A review of high school algebra. Topics include signed numbers, factoring, exponents, radicals, simplifying algebraic expressions. Solving equations. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MATH133  
Introductory Algebra II  
Further topics from high school algebra, including linear equations, graphing, systems of equations, quadratic equations, word problems. Prereq: 28MATH132. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MATH134  
Intermediate Algebra  
Properties of real numbers, fractional exponents, radicals, complex numbers, relations, functions, logarithms, right triangle trigonometry, applications. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MATH146  
Statistics for Health Sciences  
The concepts of statistical models and inference applied to problems in the health sciences. Major emphasis on the role that statistics plays in the health sciences, with the aim of giving the student an understanding of and confidence in the use of statistical techniques. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH147  
Elementary Probability and Statistics I  

28MATH148  
Elementary Probability and Statistics II  
Probability, statistical confidence. Inference for distributions. Prereq: 28MATH147. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH149  
Elementary Probability and Statistics III  

28MATH155  
Topics in Mathematics I  
Selected topics from contemporary mathematics with an emphasis on applications from management science; topics vary. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH156  
Topics in Mathematics II  
Selected topics from contemporary mathematics: statistics, data collections, statistical inference, probability. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH157  
Topics in Mathematics III  
Selected topics from contemporary mathematics with an emphasis on applications from the social sciences; topics vary. Prereq: 28MATH134. BoK: QR. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.  
Mathematics

28MATH171
Technical Mathematics
English and Metric system, geometry, 1st and 2nd degree equations, inequalities, various graphs with applications, logarithms, linear systems, right triangle trigonometry, and complex numbers. Prereq: 28MATH132. BoK: QR. Credit Level: U. Credit Hrs: 3.00-5.00

28MATH173
College Algebra I
Real number system, exponents, polynomials, rational expressions, equations, formulas, inequalities, graphs of functions, variation. Transfer Module. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH174
College Algebra II

28MATH181
Trigonometry
Angles, measurement, functions, inverses, graphs, identities, formulas, trigonometric equations, law of sines and cosines, vectors. Prereq: 28MATH174. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH224
Foundations of Applied Calculus
This course is a review of algebraic skills needed for calculus. The topics to be covered include exponents, radicals, linear equations and inequalities, linear systems and exponential and logarithmic functions. Prereq: 28MATH173. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH225
Finite Mathematics

28MATH226
Applied Calculus I
Numerical, algebraic and graphical approaches to topics in applied calculus including: functions, graphs and curve sketching, limits, continuity, the derivative, differentiation techniques, optimization. Prereq: 28MATH174. Transfer Module. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH227
Applied Calculus II
Numerical, algebraic and graphical approaches to topics in applied calculus including: the definite integral, area, antiderivatives, integrating techniques, numeric approximation, functions of two variables, partial derivatives, maxima and minima, lagrange multipliers, differential equations. Prereq: 28MATH226. Transfer Module. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH250
Calculus 0
Pre-Calculus topics for students who need more preparation before entering Calculus 251. BoK: QR. Credit Level: U. Credit Hrs: 5.00

28MATH251
Calculus I
Functions, limits and continuity, derivatives, applications of the derivative, the integral. Prereq: 28MATH174, 28MATH181. BoK: QR. Credit Level: U. Credit Hrs: 5.00

28MATH252
Calculus II
The integral, inverse functions, techniques of integration, applications of the integral. Prereq: 28MATH251. BoK: QR. Credit Level: U. Credit Hrs: 4.00

Mathematics

28MATH253
Calculus III
Sequences and series, vectors, lines and planes, vector-valued functions. Prereq: 28MATH252. BoK: QR. Credit Level: U. Credit Hrs: 4.00

28MATH254
Calculus IV
Partial derivatives, multiple integrals, calculus of vector fields. Coreq: 28MATH258. BoK: QR. Credit Level: U. Credit Hrs: 4.00

28MATH256
Calculus II Lab
Lab to accompany Calculus II. Coreq: 28MATH252. BoK: QR. Credit Level: U. Credit Hrs: 1.00

28MATH257
Calculus III Lab
Lab to accompany Calculus III. Coreq: 28MATH253. BoK: QR. Credit Level: U. Credit Hrs: 1.00

28MATH261
Calculus and Analytic Geometry I
The integral and applications of the integral: exponential and logarithmic functions, inverse function; techniques of integration; polar coordinates and conic sections. Prereq: 28MATH261. Transfer Module. BoK: QR. Credit Level: U. Credit Hrs: 5.00

28MATH262
Calculus and Analytic Geometry II
Taylor's formula, improper integrals, sequences and series; vectors, lines, planes, vector-valued functions. Prereq: 28MATH261. Transfer Module. BoK: QR. Credit Level: U. Credit Hrs: 5.00

28MATH263
Calculus and Analytic Geometry III
Taylor's formula, improper integrals, sequences and series; vectors, lines, planes, vector-valued functions. Prereq: 28MATH263, 28MATH261. BoK: QR. Credit Level: U. Credit Hrs: 5.00

28MATH264
Calculus and Analytic Geometry IV
Topics to be covered in this course include partial derivatives, multiple integrals, and calculus of vector fields. Prereq: 28MATH263, 28MATH261. BoK: QR. Credit Level: U. Credit Hrs: 5.00

28MATH273
Differential Equations

28MATH276
Matrix Methods
Matrices, systems of linear equations, Gaussian elimination, determinants, computer solution of inverses, eigenvalues and eigenvectors, coordinate transformations, systems of differential equations, applications to mechanical systems and electrical circuits. Prereq: 28MATH253. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH371
An Introduction to Forecasting
This course will look at the process of forecasting, data considerations, and model selection. A variety of forecasting techniques will be studied

H=University Honors course.
Mathematics
28MATH371
An Introduction to Forecasting
including moving averages, exponential smoothing, regression, multiple regression, time-series decomposition and ARIMA (Box-Jenkins) models. Prereq: 28STAT201. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH398H
Knot Theory and Contemporary Scientific Applications H
The modern mathematics of knots and its contemporary scientific applications are covered. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MATH399H
Mathematics, Physics and Technology for Cosmology H
Modern mathematics is studied in order to understand cosmology, which is in a golden era owing to technology and the fiery marriage between physics and astronomy. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Middle Childhood Education
28MLTL100
Introduction to Field Experience
Observation in a public school classroom; on-campus discussion of these observations. BoK: NA. Credit Level: U. Credit Hrs: 1.00

Management
28MGMT099
Internship in Business
Students who wish to participate in the internship program must meet the following three criteria: The student 1) must have completed Principles of Accounting I, II, III and Business Enterprise with grades of C or better; 2) must possess a 2.5 GPA; 3) should be matriculated in a career program. BoK: NA. Credit Level: U. Credit Hrs: 0.00

28MGMT181
The Business Enterprise
A functional overview of the business firm, major issues in business today, and information about career planning and paths. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MGMT221
International Business: Concepts and Elements
A survey examining the critical marketing, finance, accounting, organizational, and legal aspects of competing in the global marketplace. The course discusses international opportunities and difficulties, cultural and political differences, and alternatives for entering foreign markets. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MGMT222
Cross Cultural Management
An examination of the nature of cultural differences and their impact on working relationships and organizational structure. BoK: DC. Credit Level: U. Credit Hrs: 3.00

28MGMT255
Human Resource Management: Staffing and Training
Changing nature of human resource management; strategic HR management and planning; organization/individual, relations and retention; legal framework of equal employment; managing equal employment and diversity; jobs and jobs analysis; recruiting in labor markets; selecting human resources; training human resources. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MGMT256
Human Resource Management: Compensation and Employee Relations
Careers and HR development; performance management and appraisal; compensation strategies and practices; variable pay and executive compensation; managing employee benefits; health, safety and security; employee rights and discipline; union/management relations. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Management
28MGMT271
Principles of Management
The theory and process of administrative activity including investigation of decision making, organization structure, and control systems. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MGMT281
Supervisory Management
The application of management functions, approaches and techniques, and human relations skills to the first-line supervision of people. Labor relations and grievance procedures and resolutions. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MGMT286
Small Business Management
Major functional areas of business -- financing, production, sales -- their application to successful management and operation of a small business; accounting techniques and procedures specifically suited to the record-keeping needs of a small business. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Marketing
28MKTG172
Advertising
Presents methods and techniques in modern advertising, giving information to do the entire advertising job. Copyrighting, selection of media and how the advertiser can approach his problems most effectively are included. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MKTG175
Public Relations
Current practices of organized programs used in business to earn public acceptance and good will for products, personnel, and policies. The public relations techniques to influence employees, stockholders, customers, and the general public. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MKTG177
Principles of Personal Selling
Basic introduction to personal selling. Course content includes discussion of the sales job, sales environment, sales process, and sales training. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MKTG273
Introduction to Marketing Research
An introduction to marketing research. The scientific research method, research design, collecting data, interpreting findings, reporting results. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28MKTG280
Principles of Marketing Management I
First of a two course sequence that provides an overview of the managerial areas within the marketing function. Topics include pricing, distribution, promotion and product planning. Prereq: 28ECON101. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28MKTG281
Principles of Marketing Management II
Second of a two course sequence that provides an overview of the managerial areas within the marketing function. Topics include pricing, distribution, promotion, and product planning. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Multidisciplinary
28MLTL100
Consortium
CONSORTIUM BoK: NA. Credit Level: U. Credit Hrs: 0.00-24.00

28MLTL1123
Student Success Seminar - Pilot
This one credit hour seminar is designed to support first year students’ transition to college life through developing student success skills.

H=University Honors course.
This course will integrate the nursing process in the restoration of health manner. Students will be encouraged to develop in the areas of self-cognitive and physiological impairments will be addressed in a holistic Emphasis will be placed on the promotion of well being and optimal problems common to the elderly population are taught. BoK: DC., SE. pharmacology. A complete history and assessment of a healthy adult, communication, nursing process, teaching-learning principles, cultural discipline of nursing. Emphasis will be given to caring theory, strategies and realistically determine an appropriate course of action for successfully achieving their short and long-term goals. A student partnership in the educational process will be fostered. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28NSTN103 Student-Centered Strategies for a Successful College Outcome This course is designed to support, encourage and empower the beginning level student in the college environment. Student will identify practical skills for becoming more successful learners. These skills will include overcoming obstacles, creating opportunities, finding resources and using support with careful personal assessment students will reflect upon and define their short and long term goals. Students will identify strategies and realistically determine an appropriate course of action for successfully achieving their short and long-term goals. A student partnership in the educational process will be fostered. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28NSTN174 Survey of Genetic Conditions The learning experiences for the students in this course will focus on a variety of genetic conditions that affect individuals across the lifespan. Major health issues as well as genetic and/or environmental aspects of the conditions will be discussed. The content will focus on the basic mechanisms of genetic inheritance, clinical features, genetic testing, treatment, and the psychological and physical impact of a variety of both common and complex and genetic disorders. The impact of genetics on health promotion and disease prevention will also be discussed. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28NSTN191 Nursing: Health and Wellness This is the initial course in which students are introduced to the discipline of nursing. Emphasis will be given to caring theory, communication, nursing process, teaching-learning principles, cultural and spiritual concepts, principles of normal nutrition, and basic pharmacology. A complete history and assessment of a healthy adult, normal changes of aging, promotion of a healthy lifestyle, and health problems common to the elderly population are taught. BoK: DC., SE. Credit Level: U. Credit Hrs: 8.00

28NSTN192 Nursing: Aging This course focuses on health problems common to the aging adult. Emphasis will be placed on the promotion of well being and optimal level of functioning. Ways to communicate with and care for adults with cognitive and physiological impairments will be addressed in a holistic manner. Students will be encouraged to develop in the areas of self-awareness and critical thinking. Prereq: 28NSTN191. BoK: DC, SE. Credit Level: U. Credit Hrs: 8.00

28NSTN193 Nursing: Acute Illness This course will integrate the nursing process in the restoration of health
Nursing Technology

28NSTN201 
Genetic Implications for Nursing Practice
Integration of genetics into health care. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28NSTN285 
Nursing: Mental Health and Chronic Illness
This course will focus on the care of individuals with chronic health problems, mental illness, and terminal illness. A sensitivity to the cultural and humanistic dimensions of caring for the individual and family in the community will be fostered. Emphasis will be placed on healthy lifestyle, quality of life, and promotion of well being. Prereq: 28NSTN193. BoK: DC, SE. Credit Level: U. Credit Hrs: 8.00

28NSTN286 
Nursing Mental Health and Chronic Illness LPN-RN
The learning experiences for students in Nursing: Mental Health and Chronic Illness LPN-RN will build upon and enhance previous learning with a focus on the care of individuals with chronic health problems, mental illness, and those individuals who are in the terminal phase of illness. Concepts related to care in the home and community will be developed. The clinical learning experiences will occur in a variety of health care settings. A sensitivity to the cultural and humanistic dimensions of caring for the individual and family in the community will be fostered. Emphasis will be placed on healthy lifestyle, quality of life, and promotion of well being during chronic illness and the dying process. Prereq: 28NSTN197, 28BIOL181, 28PSYC207, 28MATH1146, Coreq: 28PSYC205, 28ENGL289. BoK: NA. Credit Level: U. Credit Hrs: 6.00

28NSTN287 
Nursing: Family
This course will focus on the family during the childbearing and childrearing years. Students will use the nursing process to promote normal growth and development, positive parenting, and optimal health practices. Students will consider the ethical and legal implications and cultural and spiritual needs of the family while using a caring approach to promote well being and support families experiencing illness and loss. Prereq: 28NSTN193. BoK: DC, SE. Credit Level: U. Credit Hrs: 8.00

28NSTN288 
Nursing: Family LPN-RN
The learning experiences during this Nursing: Family LPN-RN course will build upon and enhance previous learning with a focus on the family during the childbearing and childrearing years. Principles of learning, teaching, genetics, genomics, growth, and development will be employed in planning the care of clients and the family unit. The student will use the nursing process to promote normal growth and development, positive parenting and optimal health practices. Emphasis will be on the promotion of well being and support families experiencing illness, grief and loss. Complications of pregnancy and childhood illness will be taught. The clinical learning experiences will occur in a variety of health care settings. Prereq: 28NSTN286, 28PSYC205, 28ENGL289. Coreq: 28PSYC206. BoK: NA. Credit Level: U. Credit Hrs: 6.00

28NSTN289 
Nursing: Management
This course will provide students with basic management skills to care for clients in a variety of community and acute care settings. Leadership theories, delegation, collaboration, advocacy and decision making are components of this course. Students will teach individuals and groups with emphasis on the prevention of illness, incorporating caring and cultural sensitivity. Students will identify strategies to facilitate the transition from student nurse to beginning practitioner of nursing. Students will participate in discussions on issues, trends and the dynamics of the health care system and the effects on the nursing profession. Students will use critical thinking skills in the discussion and resolution of ethical issues. Prereq: 28NSTN285, 28NSTN287. BoK: DC, SE. Credit Level: U. Credit Hrs: 8.00

Nursing Technology

28NSTN290 
Nursing: Management LPN-RN
The learning experiences for students in Nursing: Management LPN-RN will build upon and enhance previous learning and focus on basic management skills to care for clients in a variety of settings. Leadership theories, delegation, collaboration, advocacy and decision making are components of the course. The student will identify strategies to facilitate the transition from student nurse to beginning practitioner. The student will demonstrate the comprehensive knowledge necessary for safe practice as a beginning practitioner of nursing. Learning experiences for the student in this course will also include health care of clients with complex health problems. Emphasis will be placed on major treatment modalities and nursing considerations. The student will teach individuals or groups with emphasis on the primary, secondary, tertiary prevention of illness, incorporating caring and cultural sensitivity. The student will participate in discussion on issues, trends and the dynamics of the health care system and the effects on the nursing profession. The student will use critical thinking skills in the discussion and resolution of ethical issues. Prereq: 28NSTN288, 28PSYC206. BoK: NA. Credit Level: U. Credit Hrs: 6.00

28NSTN299 
Service Learning in Nursing
Involve in an organized community service project with an academic component. BoK: NA. Credit Level: U. Credit Hrs: 1.00

Office Administration Technology

28OATN099 
Office Skills Development
An individualized course designed to build keyboarding speed and accuracy. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28OATN106 
Keyboarding
A beginning course in keyboarding including keyboard mastery, introduction to the business letter, reports, email, etc. Designed to develop accurate keyboarding skills. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28OATN107 
Document Formatting
Brief review of keyboard and techniques; intensified drills for improvement of speed and accuracy; progress through business letter forms and tabulations. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28OATN108 
Document Production
Advanced typing problems and techniques, knowledge and skills involved in production typewriting. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28OATN121 
Microcomputer Office Accounting I
The fundamental accounting cycle in journalizing, posting, preparing financial statements, and closing the books. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28OATN122 
Microcomputer Office Accounting II
The development of the accounting cycle for a merchandising business using special journals. Introduction to payroll and applications with an accounting simulation. Prereq: 28OATN121. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28OATN161 
Customer Service
Introductory course in communication and interpersonal skills to prepare the student for customer contact in a business organization. BoK: NA. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites/Restrictions</th>
<th>Credit Level</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>28OATN175</td>
<td>Business Math</td>
<td>Designed to teach basic business math application. Concepts include basic mathematical computations, percent applications, trade/cash discounts, payroll and interest. Prerequisites: Prep Math or permission of instructor. Prereq: 28MATH104. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN179</td>
<td>Microcomputer Office Applications</td>
<td>An introduction to the basics performed by microcomputers in an office setting. Hands-on experience in word processing, database management, spreadsheets, and graphics. No programming knowledge necessary. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN180</td>
<td>Microcomputer Office Databases</td>
<td>Hands-on course including creation of tables and queries, design of forms and reports, macros, and switchboards using a relational database. An introduction to VBA. Prerequisites: Microcomputer Office Applications or permission of instructor. Prereq: 28OATN179. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN181</td>
<td>Microcomputer Office Spreadsheets</td>
<td>Hands-on course using a spreadsheet program creating worksheet reports, worksheet formatting, formulas and functions, charts, consolidated worksheets, data tables, databases, sorts, and queries, and templates. Prerequisites: Microcomputer Office Applications, Business Math or Intermediate Algebra, or permission of instructor. Prereq: 28OATN179, 28OATN175, 28MATH132. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN186</td>
<td>Computer Awareness</td>
<td>Designed to provide review of computer phenomenon. For students who want an introduction to computers. BoK: NA. Credit Level: U. Credit Hrs: 1.00</td>
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<tr>
<td>28OATN187</td>
<td>Voice Recognition Technology</td>
<td>Techniques for using voice recognition software to dictate, edit, and produce documents. Prereq: 28OATN179. BoK: NS. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN188</td>
<td>Fundamentals of Office Networks</td>
<td>Introductory course introducing computer networks and software troubleshooting as they relate to office desktop needs. Prerequisites: Microcomputer Office Applications, Windows, OIT sophomore status or permission of instructor. Prereq: 28OATN179, 28OATN225. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN199</td>
<td>Workplace Technologies</td>
<td>This course covers the latest tools utilized in an office such as email system, pocket PC’s, digital cameras, scanners, and voice applications. Topics will change as necessary. Prereq: 28OATN179. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN204</td>
<td>Legal Transcription</td>
<td>A beginning legal transcription course designed to provide a working knowledge of the transcription of legal documents including a review of language arts skills. Prerequisites: Fundamentals of Word Processing and 50 wpm keyboarding speed. Prereq: 28OATN211. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN211</td>
<td>Fundamentals of Word Processing</td>
<td>Hands-on course covering basic to advanced word processing concepts. Prerequisites: 35 wpm keyboarding speed, Microcomputer Office Applications, or permission of instructor. Prereq: 28OATN179. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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Office Administration Technology

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<tbody>
<tr>
<td>28OATN289</td>
<td>Management of Office Systems</td>
<td>Principles of office management, including managing the office environment, employees, systems and functions. Prerequisite: OIT Sophomore status. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN293</td>
<td>Task Management</td>
<td>Introduction to projection management software for e-mail and project management that will include flowcharting, benchmarking, budgeting, forecasting, and auditing. Prerequisites: Microcomputer Office Applications or permission of instructor. Prereq: 28OATN179. BoK: NA. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28OATN295</td>
<td>WebPage Coding</td>
<td>A hands-on introduction to learning the standard language of creating Web pages using HTML coding. Students develop Web pages that include text, graphics, tables, frames and forms. Prereq: 28OATN179. BoK: NS. Credit Level: U. Credit Hrs: 3.00</td>
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**Philosophy**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>28PHIL104</td>
<td>Introduction to Philosophy: Belief and Knowledge</td>
<td>Introductory readings, surveying classical problems in the theory of knowledge. Transfer Module. BoK: HU. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28PHIL106</td>
<td>Introduction to Philosophy: Ethics</td>
<td>A philosophic examination of ethical, political, and other basic human questions. BoK: HU. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28PHIL107</td>
<td>Introduction to Philosophy: Mind and Will</td>
<td>Introductory readings surveying classical problems in metaphysics. Transfer Module. BoK: HU. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28PHIL271</td>
<td>Business Ethics</td>
<td>A critical exploration of ethical issues raised by contemporary business practices in a capitalistic economic system. BoK: HU., SE. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28PHIL272</td>
<td>Medical Ethics</td>
<td>A critical exploration of conceptual and ethical issues raised by new medical technology, including euthanasia, doctor/patient relationships, psychosurgery, in vitro fertilization, and genetic engineering. BoK: HU., SE. Credit Level: U. Credit Hrs: 3.00</td>
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<tr>
<td>28PHIL274</td>
<td>Gender and Philosophy</td>
<td>This course is an overview of recent developments in philosophic treatments of sex and gender. Topics include definitions of sex and gender, ethical theories, standpoint epistemologies and disputes about social relations in a global context. BoK: HU., SE. Credit Level: U. Credit Hrs: 3.00</td>
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</table>
Photography

28PHGTG172
Photography
For the beginner who wants to learn to make better photographs. Photographic composition, use of light, camera controls, lenses, and flash equipment. Students should have a 35mm camera, but need no previous photographic experience. There is no darkroom experience in this course. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28PHGTG174
Fundamentals of Photographic Design
Explores the visual fundamentals of photography. Clarifies a photographer's meaning and a photographer's intent. Introduces the essentials of composition and lighting, basic film and digital theory, and the visual effects of both color and black-and-white film. Covers portraiture and landscape photography. BoK: FA. Credit Level: U. Credit Hrs: 3.00

28PHGTG175
Fundamentals of Photographic Design II
This course is a further investigation into the application of the fundamentals of photographic design to enhance visual communication. Projects address developing and working from a concept, and designing aesthetic arrangements of color, value, line, and form to guide the viewer's eye and facilitate communication. Prereq: 28PHGTG172. BoK: FA. Credit Level: U. Credit Hrs: 3.00

A two-hour laboratory each week accompanying College Physics.

Physics

28PHYS101
College Physics I
A survey of physics. Four one-hour lectures each week. Coreq: 28PHYS111. Transfer Module. BoK: NS, QR. Credit Level: U. Credit Hrs: 4.00

28PHYS102
College Physics II

28PHYS103
College Physics III

28PHYS104
Introduction to Physics I
Lectures on fundamental problems in physics supplemented by demonstrations and problems. Prereq: 28MATH134. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 3.00-4.00

28PHYS105
Introduction to Physics II
Lectures on fundamental problems in physics supplemented by demonstrations and problems. Prereq: 28PHYS104. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 3.00-4.00

28PHYS106
Introduction to Physics III
Lectures on fundamental problems in physics supplemented by demonstrations and problems. Prereq: 28PHYS105. Transfer Module. BoK: NS. Credit Level: U. Credit Hrs: 3.00-4.00

28PHYS111
College Physics Laboratory I
A two-hour laboratory each week accompanying College Physics. Coreq: 28PHYS101. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28PHYS112
College Physics Laboratory II
A two-hour laboratory each week accompanying College Physics. Coreq: 28PHYS102. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28PHYS114
College Physics Laboratory III
A two-hour laboratory each week accompanying College Physics. Coreq: 28PHYS103. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28PHYS119
Astronomy I
This course includes the study of the sky and its motions, tides, eclipses, light, and telescopes. The history of Astronomy will be addressed. The study of comparative planetology, comets, and other interplanetary debris as well as the formation and evolution of our solar system are also included. Prereq: 28MATH134. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28PHYS121
Astronomy II
This course includes the study of the sun and solar activity. The study of the structure and evolution of stars, variable stars, star charts and coordinate systems as well as stellar death, supernova and black holes are also included. Prereq: 28PHYS120. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28PHYS122
Astronomy III
This course includes the study of the Milky Way, other galaxies, active galaxies, and cosmology. The course also includes the study of dark matter, dark energy and inflation. Prereq: 28PHYS121. BoK: NS. Credit Level: U. Credit Hrs: 3.00

28PHYS181
Applied Physics
Mechanics, fluid dynamics, thermodynamics, and their applications. Prereq: 28MATH171. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28PHYS182
Electronics
Basic principles of electricity, including voltage, current, resistance, inductance, capacitance, power, AC and DC circuits, simple circuit analysis, motors and generators, transformers, diodes, DC power supplies and transistors, use of multimeters, oscilloscopes and signal generators. Prereq: 28MATH171. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28PHYS201
General Physics I
A survey of physics, using calculus, recommended for science and mathematics students. Transfer Module. BoK: NS, QR. Credit Level: U. Credit Hrs: 4.00

28PHYS202
General Physics II

28PHYS203
General Physics III

28PHYS211
General Physics Laboratory I
Laboratory experiences to accompany the general physics course. Coreq: 28PHYS201. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

H=University Honors course.
Physics

28PHYS212
General Physics Laboratory II
Laboratory experiences to accompany the general physics course. Coreq: 28PHYS202. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28PHYS213
General Physics Laboratory III
Laboratory experiences to accompany the general physics course. Coreq: 28PHYS203. Transfer Module. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28PHYS276
Modern Physics for Engineers
Introduction to Quantum Theory and applications, in particular to atomic, nuclear and solid state physics. Prereq: 28MATH253, 28PHYS203. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Political Science

28POL101
American Government: The American Dream vs The Present Public Situation I

28POL102
American Government: The American Dream vs The Present Public Situation II

28POL103
American Government: The American Dream vs The Present Public Situation

28POL160
Comparative Politics
Fundamentals of comparative government institutions and political processes. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28POL180
International Relations
The basic concepts, frameworks and policies associated with the study of International relations. Historical examples and contemporary issues and problems. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28POL218
Independent Study in Political Science I
An individualized program in reading and/or research developed jointly by the student and instructor, subject to instructor approval. Perm of Instructor. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28POL219
Independent Study in Political Science II
An individualized program in reading and/or research developed jointly by the student and instructor, subject to instructor approval. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28POL220
Independent Study in Political Science III
An individualized program in reading and/or research developed jointly by the student and instructor, subject to instructor approval. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Psychology

28PSYC101
Introduction to Psychology I
This is the first quarter of a three-quarter course sequence covering most of the basic aspects of psychology as applied to everyday life. Topics include: life-span development, conditioning and learning, personality, psychological disorders and therapies. Prereq: 28PSYC101. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC102
Introduction to Psychology II
This is the second quarter of a three-quarter course sequence covering most of the basic aspects of psychology as applied to everyday life. Topics include: life-span development, conditioning and learning, personality, psychological disorders and therapies. Prereq: 28PSYC101. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC103
Introduction to Psychology III
This is the third quarter of a three-quarter course sequence covering most of the basic aspects of psychology as applied to everyday life. Topics include: states of consciousness, motivation and emotion, social behavior, health/stress and coping, applied psychology, and industrial/organizational psychology, gender and sexuality. Prereq: 28PSYC101. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC120
Professional Skills for Human Services
This course is designed to assist students in developing the necessary skills needed to be successful in a job in supportive employment. The emphasis is on developing interpersonal communication, critical thinking, and creative problem solving skills. This course includes a three hour a week practicum requirement. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28PSYC121
Crisis Intervention I: An Introduction to Intervention Techniques
A skill-building course that introduces a helping model and intervention methods used in crisis intervention. A practicum placement is required. Prereq: 28PSYC121, 28REHA102, 28REHA104, 28COMM176. BoK: SS. Credit Level: U. Credit Hrs: 4.00

28PSYC122
Crisis Intervention II: Crisis Theory and Managing Specific Crisis Situations
A skill-building course that focuses on crisis theory and crisis intervention. Specific types of crisis interventions are reviewed. A practicum placement is required. Prereq: 28PSYC121. BoK: SS. Credit Level: U. Credit Hrs: 4.00

28PSYC125
Assessment for Human Services
This course is designed to provide students with the skills to understand what assessment tools are used by human service agencies and how to use these assessments in assisting human service agency clientele. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC131
Introduction to the Social Welfare System
Concepts of social welfare, historical overview, contemporary welfare structure, professional helping, and the needs of special populations and services provided by social service agencies. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
Psychology

28PSYC205 Human Development I: Childhood
Growth and development of the child from conception to 9 years (4th grade). Prereq: 28PSYC101. Transfer Module. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28PSYC206 Human Development II: Adolescence
Physical, psychological, and social development of the child from 9 years through adolescence (4th grade to 12th grade). Inheritance, learning, emotion, identity, and personality from adolescence to early adulthood. Prereq: 28PSYC101. Transfer Module. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28PSYC207 Human Development III: Adulthood and Aging
Physical, sociological, psychological, and intellectual changes which occur from young adulthood until death. Prereq: 28PSYC101. Transfer Module. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28PSYC209 Human Development IV: Death and Dying
An interdisciplinary approach to the subject of death, drawing material from religion, the arts, history, psychology, etc., and designed to assist students in coming to terms with death as a part of life. Prereq: 28PSYC101. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC211 Independent Study in Psychology
An individualized program in reading and/or research developed jointly by the student and the instructor, subject to instructor approval. Prereq: 28PSYC101. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28PSYC215 Social Psychology
Analysis of factors affecting human social interaction, including aggression, developing relationships, determining the causes of behavior, sex differences, and ways of influencing others. Prereq: 28PSYC101. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC241 Social Psychology
Analysis of factors affecting human social interaction, including aggression, developing relationships, determining the causes of behavior, sex differences, and ways of influencing others. Prereq: 28PSYC101. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC245 Introduction to Cognitive-Behavioral Treatment Models
This course provides an introduction to the theory and practice of cognitive-behavioral counseling. Various forms of cognitive-behavioral therapy are reviewed. Prereq: 28PSYC102. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC247 Psychology of Adjustment
A survey of principles and findings as they apply to the development and maintenance of healthy, mature attitudes and behavior patterns. Prereq: 28PSYC101. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC251 Abnormal Psychology
ABNORMAL PSY Prereq: 28PSYC101. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC253 Psychology of Personality
The important personality theories, personality development, methods of studying personality, and personality dynamics. Prereq: 28PSYC102. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC271 Special Topics in Psychology
In-depth examination of theory and research surrounding a topic of current interest to the discipline. Prereq: 28PSYC102. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC274 Introduction to Statistical Methods
This course will review the statistical methods most commonly used in psychology; this will include in-depth coverage of descriptive statistics, an introduction to probability, and an introduction to sampling distributions. This course is the first course in a 3-course sequence on research methods and statistics that is required for students who will later complete their B.A. in Psychology. Prereq: 28PSYC101, 28PSYC102, 28PSYC103, 28PSYC290. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28PSYC275 Intermediate Psychological Statistics
This course will review additional statistical methods used in psychology; this will include coverage of correlational methods, analysis of variance techniques, and nonparametric statistics. This course is the second course in a 3-course sequence on research methods and statistics that is required for students who will later complete their B.A. in Psychology. Prereq: 28PSYC274. BoK: QR. Credit Level: U. Credit Hrs: 3.00

28PSYC280 Research Methods in Psychology - Lecture
This course provides information and practice in understanding research methods and statistics used in psychological studies. Students read and critique studies from scholarly journals in psychology. This course is designed to prepare psychology students for the research methods and statistics sequence for the baccalaureate degree in psychology. Prereq: 28PSYC101, 28PSYC102, 28PSYC103. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC281 Research Methods in Psychology Lab
This course is designed to introduce students to experimental methods used in general experimental psychology through the use of lectures, demonstrations, and laboratory exercises. Prereq: 28PSYC275. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC282 Organizational Behavior I
First of course sequence on human behavior in organizations. Focus is on individual interaction with others in the work world. Topics include self concept, personal communication, interaction patterns, and stress. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC283 Organizational Behavior II: Organizational and Group Processes
An exploration of the organizational bases of group behavior, including organization development and change, organizational communications, decision-making, and conflict management. Prereq: 28PSYC282. Transfer Module. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28PSYC288 Multicultural Issues in Child Development
Description, analysis, and evaluation of the processes and factors in the socialization and development of children from a variety of cultural backgrounds (e.g. African-American, Hispanic, Appalachian) in the family, community and school. Prereq: 28PSYC101. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28PSYC289 Substance Abuse: Problems and Interventions
The course will study the most frequently used and abused psychoactive drugs in American society, their legal and illegal uses, their effects upon behavior, and the treatment of associated problems. Education and prevention efforts will also be summarized. A biopsychosocial perspective is emphasized in this course. Prereq:
**Radiation Science**

**28RDSC332**  
Medical Dosimetry Clinical Practicum II  
Introductory practical application and experience in medical dosimetry.  
Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00

**28RDSC333**  
Medical Dosimetry Clinical Practicum III  
Fundamental practical application and experience in medical dosimetry.  
Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00

**28RDSC411**  
Introduction to Computed Tomography  
Concepts of imaging procedures associated with CT including basic equipment, patient preparation, assessment & monitoring, contract media administration, and radiation safety. The most common CT procedures will be introduced. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28RDSC412**  
Imaging Procedures in Computed Tomography  
Applied anatomy & physiology, use of contrast media, scanning procedures and special procedures for computed tomography exams performed in the healthcare setting. Also includes sample protocols and pathology applications. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28RDSC413**  
Computed Tomography Physics and Instrumentation  
An examination of the components of the CT imaging system including operation, components, image processing & display, image quality evaluation, and artifacts. Also includes newest advancements in technology. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28RDSC414**  
Topics in Sectional Imaging I  
An introductory course focused on a specific modality or modalities in medical sectional imaging as determined by the instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28RDSC415**  
Topics in Sectional Imaging II  
An intermediate course focused on a specific modality or modalities in medical sectional imaging as determined by the instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28RDSC416**  
Topics in Sectional Imaging III  
An advanced course focused on a specific modality or modalities in medical sectional imaging as determined by the instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28RDSC417**  
Internship in Sectional Imaging I  
An introductory experience in the performance of patient care and sectional imaging procedures as acquired at affiliate healthcare facilities. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 2.00-4.00

**28RDSC418**  
Internship in Sectional Imaging II  
An advanced experience in the performance of patient care and sectional imaging procedures as acquired at affiliate healthcare facilities. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 2.00-4.00

**28RDSC421**  
Curriculum Design and Instruction in the Radiologic Sciences  
Principles of adult learning, instructional strategies, curriculum design and assessment, and accreditation requirements in the radiologic sciences. Includes alternative learning methods. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 3.00

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**Psychology**

**28PSYC289**  
Substance Abuse: Problems and Interventions  
28PSYC101. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00

**28PSYC290**  
Introduction to Psychology Research  
This course provides information and practice in understanding research methods and statistics used in psychological studies. Students read and critique studies from scholarly journals in psychology. This course is designed to prepare psychology students for the research methods and statistics sequence for the baccalaureate degree in psychology. Prereq: 28PSYC101, 28PSYC102, 28PSYC103. BoK: SS. Credit Level: U. Credit Hrs: 3.00

**28PSYC291**  
Field Placement for Human Services I  
This course focuses on applying knowledge, skills, and values learned in the classroom during a placement at a human service agency. The primary focus is on understanding the operational aspects of the agency. Students will have the opportunity to discuss their experiences in a seminar setting. Prereq: 28PSYC120. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28PSYC292**  
Field Placement for Human Services II  
This course focuses on applying knowledge, skills, and values learned in the classroom during placement at a human service agency. The primary focus is on how to effectively assist clients in the agency. Students will have the opportunity to discuss experiences in a seminar setting. Prereq: 28PSYC291. BoK: NA. Credit Level: U. Credit Hrs: 3.00

**28PSYC295**  
Study Abroad in Psychology  
For students studying in a foreign country through the auspices of Raymond Walters College. BoK: DC. Credit Level: U. Credit Hrs: 1.00-6.00

**28PSYC299**  
Service Learning: Psychology  
Involvement in an organized community service project with an academic component. Provides an opportunity to apply course related material to a practical situation. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00-3.00

**28PSYC327**  
Principles of Behavior Modification  
This course covers empirical and theoretical foundations of behavior modification, principles and procedures of behavior modification, and practical skills in the application of behavior modification techniques. Prereq: 28PSYC102. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

**28PSYC365**  
Psychology of Conflict and Conflict Resolution  
This course is designed to provide students with the interpersonal skills required to mediate disputes in any environment where conflict exists, whether that be labor union negotiations, school (peer) disciplinary councils, employment grievances, family or divorce disputes, or any type of civil or minor criminal violations. Emphasis is on the principles and theories supporting the mediation process, such as: perception, nonverbal and verbal communication, conflict styles and management, and listening skills. Prereq: 28PSYC102. BoK: SS. Credit Level: U. Credit Hrs: 3.00

**Radiation Science**

**28RDSC331**  
Medical Dosimetry Clinical Practicum I  
Introductory practical application and experience in medical dosimetry. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00

**28RDSC332**  
Medical Dosimetry Clinical Practicum II  
Basic practical application and experience in medical dosimetry. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00

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H=University Honors course.  
BoK (Breadth of Knowledge) Coding.  
DC: Diversity & Culture.  
EC: English composition.  
FA: Fine Arts.  
HP: Historical Perspectives.  
HU: Humanities.  
LT: Literature.  
NS: Natural Sciences.  
QR: Quantitative Reasoning.  
SE: Social & Ethical Issues.  
SS: Social Sciences.
Radiation Science

28RDSC427
Internship in Professional Practice I
An introductory experience in the performance of leadership activities relating to management or education at a healthcare, proprietary, or educational institution. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 2.00-4.00

28RDSC428
Internship in Professional Practice II
An advanced experience in the performance of leadership activities relating to management or education at a healthcare, proprietary, or educational institution. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 2.00-4.00

28RDSC431
Medical Dosimetry I
The use of radioactive sources in close proximity to the patient including brachytherapy and teletherapy techniques of intensity modulated radiation therapy and stereotactic radiation therapy. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDSC432
Medical Dosimetry II
The use of unsealed radioactive sources as well as the application of the principles of radiation biology to alter fractionation schemes. Prereq: 28RDSC431. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDSC433
Medical Dosimetry III
Design of specific radiation therapy schemes for the following specific tumor sites or systems: genitourinary, gynecological, lymphomas, head and neck, breast, central nervous system, pediatrics, thorax, bone and soft tissue sarcomas. Prereq: 28RDSC432. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDSC437
Internship in Medical Dosimetry I
A preliminary experience in the basics of treatment plan design in collaboration with physicians and medical physicists. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28RDSC438
Internship in Medical Dosimetry II
An introductory experience in the design of treatment plans for various systems in collaboration with physicians and medical physicists. Prereq: 28RDSC437. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28RDSC439
Internship in Medical Dosimetry III
An intermediate experience in the design of treatment plans for various systems in collaboration with physicians and medical physicists. Prereq: 28RDSC438. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28RDSC440
Internship in Medical Dosimetry IV
An advanced experience in the design of treatment plans for various systems in collaboration with physicians and medical physicists Prereq: 28RDSC439. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28RDSC441
Medical Physics I
Designed to furnish the student with the physics background to better comprehend the underlying physical principles of medical dosimetry as utilized in radiation therapy. Includes the medical sources, the interactions, and the measurement of the intensity of ionizing radiations. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDSC442
Medical Physics II
The measurement of the intensity of ionizing radiations, with the extension of the measurement in scattering media such as a patient. The variation of the interactions of the ionizing radiations in in-homogeneous patient tissue will be introduced in addition to the imaging technology necessary to define the tissue in-homogeneities of
Radiation Therapy Technology

28RDTH201 Clinical Oncology I
Lecture, demonstration, and discussion of the clinical application of techniques, modality, and rationales in the treatment of specific malignancies. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28RDTH202 Clinical Oncology II
Lecture, demonstration, and discussion of the clinical application of techniques, modality, and rationales in the treatment of specific malignancies. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28RDTH203 Clinical Oncology III
Lecture, demonstration, and discussion of the clinical application of techniques, modality, and rationales in the treatment of specific malignancies. BoK: NS. Credit Level: U. Credit Hrs: 5.00

28RDTH205 Radiation Therapy Physics I
Study of the physical properties of ionizing radiation, their production, interactions, and specifications in terms of quality and quantity. Emphasis is placed on the parameterization of the energy deposition within the patients. BoK: NS., QR. Credit Level: U. Credit Hrs: 4.00

28RDTH206 Radiation Therapy Physics II
Study of the physical properties of ionizing radiation, their production, interactions, and specifications in terms of quality and quantity. Emphasis is placed on the parameterization of the energy deposition within the patients. BoK: NS., QR. Credit Level: U. Credit Hrs: 4.00

28RDTH211 Simulation Lab I
Provides the opportunity for students to learn basic patient set-up principles in a laboratory setting using phantoms. Perm of Instructor. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28RDTH212 Simulation Lab II
Provides the opportunity for students to learn basic patient set-up principles in a laboratory setting using phantoms. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28RDTH213 Simulation Lab III
Provides the opportunity for students to learn basic patient set-up principles in a laboratory setting using phantoms. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28RDTH221 Clinical Practicum I
Practical application and experience in the radiation therapy departments of the University of Cincinnati Medical Center and affiliated hospitals. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28RDTH222 Clinical Practicum II
Practical application and experience in the radiation therapy departments of the University of Cincinnati Medical Center and affiliated hospitals. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTH223 Clinical Practicum III
Practical application and experience in the radiation therapy departments of the University of Cincinnati Medical Center and affiliated hospitals. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTH224 Clinical Practicum IV
Advanced practical application of radiation therapy technology at the University of Cincinnati Medical Center and affiliated hospitals. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Radiation Therapy Technology

28RDTH225 Clinical Practicum V
Advanced practical application of radiation therapy technology at University Hospital and affiliate institutions. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTH243 Radiation Biology
Instructs the student on the biologic effects of ionizing radiation on living tissue. BoK: NS. Credit Level: U. Credit Hrs: 2.00

28RDTH272 Radiation Protection
Study of radiation exposure and dose, protection regulations, and monitoring techniques. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28RDTH278 Patient Care in Radiation Therapy
Instructs the student in nursing procedures pertinent to the care of the cancer patient. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28RDTH281 Radiation Physics and Treatment Planning I
Study of the energy deposition patterns in actual patient procedures with emphasis on the resulting consequences. BoK: NS., QR. Credit Level: U. Credit Hrs: 4.00

28RDTH282 Radiation Physics and Treatment Planning II
Study of the energy deposition patterns in actual patient procedures with emphasis on the resulting consequences. BoK: NS., QR. Credit Level: U. Credit Hrs: 4.00

28RDTH291 Radiation Therapy Review
This course is designed to provide a comprehensive review of the key concepts of each of the technical courses. BoK: NA. Credit Level: U. Credit Hrs: 1.00

Radiologic Technology

28RDTN171 Basic Elements of Radiologic Technology
Introductory course covering the historical aspects of radiography, basic concepts of radiation protection, radiographic procedures and image production, patient communication, and ethical and medical-legal issues in health care. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTN181 Introduction to Clinical Practice
Basic concepts of patient care, image production, and radiation protection. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTN211 Clinical Practicum I
Preliminary radiography experience in various clinical education settings. Under direct supervision of a registered technologist, students will apply basic concepts of procedures, image production, radiation protection and patient care. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28RDTN212 Clinical Practicum II
Introductory radiography experience in various clinical education settings. Under supervision of a registered technologist, students will apply basic concepts of procedures, image production, radiation protection and patient care. Prereq: 28RDTN211. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28RDTN213 Clinical Practicum III
Concentrated radiography experience in various clinical education settings. Under supervision of a registered technologist, students will apply concepts of procedures, image production, radiation protection and patient care. Prereq: 28RDTN212. BoK: NA. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.  
BoK (Breadth of Knowledge) Coding.  
DC: Diversity & Culture.  
EC: English composition.  
FA: Fine Arts.  
HP: Historical Perspectives.  
HU: Humanities.  
LT: Literature.  
NS: Natural Sciences.  
QR: Quantitative Reasoning.  
SE: Social & Ethical Issues.  
SS: Social Sciences.
Radiologic Technology

28RDTN214 Clinical Practicum IV
Intermediate radiography experience in various clinical education settings. Under supervision of a registered technologist, students will apply concepts of procedures, image production, radiation protection and patient care. Prerequisite: 28RDTN213. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTN215 Clinical Practicum V
Advanced radiography experience in various clinical education settings. Under supervision of a registered technologist, students will apply concepts of procedures, image production, radiation protection and patient care. Prerequisite: 28RDTN214. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTN216 Clinical Practicum VI
Culminating radiography experience in various clinical education settings. Under supervision of a registered technologist, students will apply concepts of procedures, image production, radiation protection and patient care. Prerequisite: 28RDTN215. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTN241 Radiography I
Radiographic procedures including the positioning and image analysis of the chest, abdomen, and skeletal system, and associated medical terminology. Theory and lab experience integrated. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28RDTN242 Radiography II
Radiographic procedures including the positioning and critique of the skeletal and gastrointestinal systems. Theory and laboratory experience integrated. Prerequisite: 28RDTN241. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28RDTN243 Radiography III
Radiographic procedures including positioning and critique of the skull, central nervous system, and breast. Includes operative and trauma radiography and additional contrast procedures. Theory and laboratory experience integrated. Pre-Reqs.: 28RDTN242 with C or better. Prerequisite: 28RDTN242. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28RDTN251 Radiologic Science & Imaging I
Fundamentals of x-ray producing equipment with correlation of primary technical factors and radiation protection. Prerequisite: 28RDTN172. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDTN252 Radiologic Science & Imaging II
Principle radiographic factors affecting image production and quality with correlation of radiation protection. Theory and laboratory experience integrated. Prerequisite: 28RDTN251. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDTN253 Radiologic Science & Imaging III
Principles of radiobiology, radiation protection, quality assurance, and image processing and archiving. Prerequisite: 28RDTN252 with C or better. Prerequisite: 28RDTN252. BoK: NA. Credit Level: U. Credit Hrs: 5.00

28RDTN271 Radiographic Image Analysis
Critique and evaluation of radiographic image quality. Students will assess radiographs based on fundamentals of positioning, exposure and processing. Prerequisite: 28RDTN241. BoK: NA. Credit Level: U. Credit Hrs: 2.00

H—University Honors course.
Rehabilitative Supportive Employment

28REHA103 Practicum for Introduction to Disabilities and Vocational Support
A practicum required by students in the Rehab. Certificate program. Students will observe job coaches at a variety of agencies employing coaches and learn what each agency does. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28REHA201 Assessment of Disabilities, Jobs and Tasks
This course is designed to provide students the skills to assess organizational environments, specific work environments and tasks, and the work potential of clients. This course requires a three hour per week practicum. Prereq: 28REHA101. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28REHA202 VRSupport Intern I
This course is designed to give students the experience to perform entry level jobs in vocational rehabilitation. Students work for a sponsoring agency for a minimum of eight hours per week. Students meet weekly with the instructor to review concepts and issues that need clarification. Prereq: 28REHA101, 28REHA102. Coreq: 28REHA201. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28REHA203 VRSupport Intern II
This course is designed to give students the experience to perform entry level jobs in vocational rehabilitation. Students work for a sponsoring agency for a minimum of eight hours per week. Students meet weekly with the instructor to review concepts and issues that need clarification. Prereq: 28REHA202. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Russian

28RUSS101 Elementary Russian I
For beginning students -- reading, writing, culture, grammar, and conversation. The course should be followed by 28RUSS201, 202, 203 to fulfill the language requirement. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28RUSS102 Elementary Russian II
For beginning students -- reading, writing, culture, grammar, and conversation. The course should be followed by 28RUSS201, 202, 203 to fulfill the language requirement. Prereq: 28RUSS101. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28RUSS103 Elementary Russian III
For beginning students -- reading, writing, culture, grammar, and conversation. The course should be followed by 28RUSS201, 202, 203 to fulfill the language requirement. Prereq: 28RUSS102. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28RUSS201 Intermediate Russian I
Practice in speaking and writing the language with review of grammar; reading and discussion of selected texts. Prereq: 28RUSS103. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28RUSS202 Intermediate Russian II
Practice in speaking and writing the language with review of grammar; reading and discussion of selected texts. Prereq: 28RUSS201. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28RUSS203 Intermediate Russian III
Fulfills language requirement. Prereq: 28RUSS202. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

Second Language Acquisition

28SLA151 Introduction to Translation
This course provides students with an introduction to the discipline of translation. Basic translation theory and practices will be presented. Students will have the opportunity to practice translation from a variety of source materials into English. In addition, students will evaluate the effectiveness of published translations (both electronic and print) in a variety of genres of text. The course is taught in English. Extensive knowledge of a foreign language is not necessary. Prereq: 28ENGL101. BoK: DC, SS. Credit Level: U. Credit Hrs: 3.00

28SLA201 Introduction to Second Language Acquisition
This course examines the process of learning and using a second language. The course is designed to provide students with an overview of the main aspects of Second Language Acquisition and an understanding of how people learn a second language. Prereq: 28ENGL102. BoK: DC, SS. Credit Level: U. Credit Hrs: 3.00

Sociology

28SOC141 Introduction to Sociology I
An introduction to the sociological principles and perspectives for the analysis of the social character of human activities, particularly in contemporary society. Transfer Module. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28SOC142 Introduction to Sociology II
An examination of social structure, with emphasis on the organization of major social institutions, the relationship of humans to their environments, and social change. Prereq: 28SOC141. Transfer Module. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28SOC143 Contemporary Social Issues
Discussion of selected social issues and problems of current concern within society. Prereq: 28SOC141. Transfer Module. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00

28SOC202 Independent Study in Sociology
An individualized program in reading and/or research developed jointly by the student and the instructor, subject to instructor approval. Prereq: 28SOC201. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28SOC284 The Sociology of Human Sexuality
This is a course about the many ways in which sexuality affects people’s lives. We will be looking at sexual behavior and attitudes not only within our own society, but historically and across culture. Throughout the course, we will look at how sociological perspectives bring understanding to present and historical trends as well as the formation of sexual values. Prereq: 28SOC141. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28SOC285 Sociology of the Family
Analysis of contemporary patterns of marriage and family life, including examination of courtship, marriage and marital adjustment, childrearing, divorce, and alternatives to traditional family roles. Prereq: 28SOC141. Transfer Module. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00

28SOC286 Personal Relationships: An Introduction
A sociological perspective on personal relationships. Topics include attachment, love, jealousy, communication, and relationship changes. Emphasis is on understanding and appreciating the meaning of close relationships in personal lives. Prereq: 28SOC141. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
Sociology

28SOC287
Women In the World: A Cross-Cultural Approach
A cross-cultural study of women's roles and experiences in such areas as family, economics, politics, and education. The course is designed to broaden knowledge and gain a global perspective of women in the world. BoK: SS., DC. Credit Level: U. Credit Hrs: 3.00

28SOC288
Science, Technology, and Society
This course is designed to provide students the opportunity to examine and analyze the multi-faceted impact of science and technology on society from an interdisciplinary approach. Topics include the interaction of science, technology, and society, issues on environment, biomedical technology, war and peace, cyberspace, and the future. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28SOC289
The Global Community: Cultural Diversity and Interaction
Develops awareness of and sensitivity to cultural diversity in today's world. Topics include an examination of how people from different cultures interact and how cultures influence people's interaction processes and patterns. BoK: SS., DC. Credit Level: U. Credit Hrs: 3.00

28SOC299
Service Learning
Involvement in an organized community service project with an academic component. Permission of instructor required. Maximum of 3 service learning credits at Raymond Walters College may be earned. BoK: NA. Credit Level: U. Credit Hrs: 1.00

28SOC325
Deviance
Sociological perspectives on deviance and control, including examination of social causes and social reactions to deviance. Prereq: 28SOC142. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00

28SOC371
Social Change
An examination of social change historically and cross-nationally, focusing on such issues as the roles of technology, culture, demographic conditions and power. Prereq: 28SOC142. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28SOC372
Special Topics in Sociology
In-depth examination of theory and research surrounding a topic of current interest to the discipline. Prereq: 28SOC142. BoK: SS. Credit Level: U. Credit Hrs: 3.00

28SOC373
Race in Modern Society
A sociological analysis of race and ethnicity. Special attention is given to race and ethnic prejudice, discrimination, and social inequality. Prereq: 28SOC142. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28SOC375
War and Peace: A Global Cultural Approach
This course studies "war" and "peace" from the global cultural perspective. Topics of this course include the global cultural perspective of war and peace, the social, cultural, economic, and political causes of war and peace, and the various peacemaking and peacekeeping processes. Prereq: 28SOC142. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28SOC389
Youth and Society
An analysis of the status of youth and adolescents in society. Particular emphasis is placed on the ambiguity of the role of adolescent/youth in modern society and the special problems that result. Prereq: 28SOC142. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00

Social Science

28SOSC201
American Issues and Problems I
An analysis of the issues confronting American society in such areas as foreign policy, race relations, poverty, freedom and order, and ecology. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28SOSC202
American Issues and Problems II
An analysis of the issues confronting American society in such areas as foreign policy, race relations, poverty, freedom and order, and ecology. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28SOSC203
American Issues and Problems III
An analysis of the issues confronting American society in such areas as foreign policy, race relations, poverty, freedom and order, and ecology. BoK: SS., SE. Credit Level: U. Credit Hrs: 3.00

28SOSC204
Women in Society I: Women and Work
An interdisciplinary study of female work (paid and unpaid) before and after the Industrial Revolution in North America. Includes farm, slave, domestic, childrearing, industrial, service, and professional work, with an emphasis on domestic labor and 20th-century secretarial and health care jobs. Prereq: 28ENGL101, 28ENGL102. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

Spanish

28SPAN101
Beginning Spanish I
For beginning students: an introduction to the basic elements of the Spanish language needed for communication. The course should be followed by 28SPAN201, 202, 203 to satisfy language requirement. BoK: HU., DC. Credit Level: U. Credit Hrs: 3.00

28SPAN102
Beginning Spanish II
For beginning studies: a continuation of the basic elements of the Spanish language needed for communication. The course should be followed by 28SPAN201, 202, 203 to satisfy language requirement. Prereq: 28SPAN101. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN103
Beginning Spanish III
For beginning students: an introduction to the basic elements of the Spanish language needed for communication. The course should be followed by 28SPAN201, 202, 203 to satisfy language requirement. Prereq: 28SPAN102. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN104
Elementary Spanish I
For beginning students with emphasis on listening, speaking, reading, writing, culture. Successful completion of the three quarters satisfies college language requirement. BoK: HU., DC. Credit Level: U. Credit Hrs: 5.00

28SPAN105
Elementary Spanish II
For beginning students with emphasis on listening, speaking, reading, writing, culture. Successful completion of the three quarters satisfies college language requirement. Prereq: 28SPAN104. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28SPAN106
Elementary Spanish III
For beginning students with emphasis on listening, speaking, reading, writing, culture. Successful completion of the three quarters satisfies college language requirement. Prereq: 28SPAN105. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28SPAN107
Spanish for the Allied Health Professions I
Provides basic knowledge of the Spanish language to students in allied health professions. Prereq: 28ENGL101, 28ENGL102. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

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H=University Honors course.
Spanish

28SPAN107
Spanish for the Allied Health Professions I
health care programs and to "non-traditional" students who are working in the area of health care. This course will help students master "need to know" phrases and routines of the allied health care field in Spanish. This course would be followed by 28SPAN108 and 109 to satisfy the college foreign language requirement. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28SPAN108
Spanish for the Allied Health Professions II
Students will continue to gain basic knowledge of the Spanish language in the context of health care. This course will help students develop the skills to communicate in Spanish in the allied health care field. This course should be followed by 28SPAN109 to satisfy the college foreign language requirement. Prereq: 28SPAN107. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28SPAN109
Spanish for the Allied Health Professions III
Students will gain more complex knowledge of the Spanish language in the context of health care. This course will help students further develop the skills to communicate in Spanish in the allied health care field. Successful completion of this course satisfies the college foreign language requirement. Prereq: 28SPAN108. BoK: HU, DC. Credit Level: U. Credit Hrs: 5.00

28SPAN191
Film and Culture in the Spanish-Speaking World
This course provides students with an overview of films in the Spanish-speaking world. The focus is on representative films that highlight historical events in Mexico, Spain, Central and South America. The course is taught in English. BoK: DC., HU. Credit Level: U. Credit Hrs: 3.00

28SPAN201
Intermediate Spanish I
Practice in speaking and writing the language with review of grammar; reading and discussion of selected texts. Prereq: 28SPAN103. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN202
Intermediate Spanish II
Practice in speaking and writing the language with review of grammar; reading and discussion of selected texts. Prereq: 28SPAN201. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN203
Intermediate Spanish III
Fulfills language requirement. Prereq: 28SPAN202. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN251
Spanish Composition and Conversation I
Grammar review, practice in composition and conversation, culture, and selected readings. Prereq: 28SPAN104, 28SPAN105, 28SPAN106. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN252
Spanish Composition and Conversation II
Grammar review, practice in composition and conversation, culture, and selected readings. Prereq: 28SPAN251. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN253
Spanish Composition and Conversation III
Grammar review, practice in composition and conversation, culture, and selected readings. Prereq: 28SPAN252. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN261
Latin American Culture and Civilization
A two week intensive language, culture and travel program in Costa Rica. This course is designed for Undergraduate students who have completed at least one year of Spanish language study. This elective does not fulfill the FL requirement. Prereq: 28SPAN103. BoK: HU, DC. Credit Level: U. Credit Hrs: 3.00

28SPAN262
Latin American Culture and Civilization II
This course is a two-week intensive language, culture and travel program in Costa Rica. This course is designed for students who have previously completed 28 SPAN 261 (LATIN AMERICAN CULTURE AND CIVILIZATION I). This elective does not fulfill the Foreign Language requirement. Prereq: 28SPAN261. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28SPAN265
Survey of Spanish Language Literature in Translation
This course provides students with an overview of some of the literature of the Spanish-speaking countries in translation. The focus is on representative literature that highlights key authors and their works in the Spanish-speaking world. The course is taught in English. Prereq: 28ENGL102. BoK: DC, LT. Credit Level: U. Credit Hrs: 3.00

H=University Honors course.
Applied Regression Analysis I
Applied Regression Analysis I is the first part of a two-course sequence. It presents the fundamental concepts and procedures of regression analysis. Among the topics included are simple linear regression, multiple linear regression, and regression diagnostics. Real data, business-related applications of regression, and the use of statistical software will be emphasized. Prereq: 28MATH174, 28STAT203. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Applied Regression Analysis II
This is the continuation of Applied Regression Analysis I. Topics included in this part of the sequence are variable selection procedures for creating a multiple regression model, an introduction to the analysis of variance, an analysis of variance approach to regression, and an introduction to logistic regression. Prereq: 28STAT250. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Statistics Software I
This course exposes students to the use of Microsoft Excel for the solution of statistical problems. It includes its use for obtaining descriptive measures, table and graphs, confidence intervals. It also presents how to use the software to perform hypothesis test procedures, chi-square procedures, and analysis of variance. Prereq: 28STAT250. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Statistics Software II
This second part of Statistics Software presents an introduction to the use of Stata for accomplishing a wide variety of statistical tasks. It describes the use of the software for data management and data analysis. Among the Stata procedures included in the course are data management, graphs, summary statistics and tables, Monte Carlo simulations, hypothesis testing, analysis of variance, linear regression analysis, regression diagnostics, fitting curves, logistic regression, and time-series analysis. Prereq: 28STAT250. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Survey Sampling
Survey Sampling is an introduction to the design and analysis of sample surveys intended for students of business and economics, the social sciences, the health sciences or other areas that make extensive use of sampling. The use of statistical software will be emphasized. Prereq: 28STAT250. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Nonparametric Statistics
This course is an introduction to nonparametric (or distribution-free) statistics. It comprises a broad range of methods for data analysis in the fields of business, accounting, social sciences, health sciences, and education. Among the topics included are one-sample nonparametric tests based on the binomial distribution, the Wilcoxon signed rank procedures for inferences about the difference between two population medians, the Kruskal-Wallis test, paired-comparisons permutation tests, and permutation tests to determine trends and association. The use of statistical software will be emphasized. Prereq: 28STAT250. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Introduction to Quality Control
This course describes various statistical techniques for evaluating different aspects of quality of products and services. Topics included are control chart concepts and methods, variables control charts, measures of process capability, attribute control charts, estimation of errors produced by measurement systems, and an overview of the fundamentals of acceptance sampling. Prereq: 28STAT251. BoK: QR. Credit Level: U. Credit Hrs: 3.00

Veterinary Technology
Intro Vet Tech I
Lecture, film and seminar presentation to acquaint students with various aspects of Veterinary Technology. BoK: NA. Credit Level: U. Credit Hrs: 1.00

Intro Vet Tech II
Lectures on husbandry and diseases of common laboratory and pet animals are presented. BoK: NA. Credit Level: U. Credit Hrs: 2.00

Surgical Principles I
Lectures and laboratories which start with pre-surgery physical preparation of patient and instruments. Assistance in the operating room and aseptic procedure will be emphasized. Prereq: 28LAMD273. BoK: NA. Credit Level: U. Credit Hrs: 2.00

Surgical Principles II
Lectures and laboratories. Continuation of techniques in assisting in surgery. Specific procedures will be discussed and put into practice. Prereq: 28LAMD241, 28LAMD284. BoK: NA. Credit Level: U. Credit Hrs: 5.00

Animal Husbandry and Diseases II
Lectures with emphasis on animal nutrition, housing, management, care, and common diseases. Laboratory animal species will be covered. Prereq: 28LAMD280. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Animal Husbandry and Diseases III
Lectures with emphasis on exotic, zoo, wildlife, and large animal species management, care and common diseases. Prereq: 28LAMD243, 28LAMD280. BoK: NA. Credit Level: U. Credit Hrs: 4.00

Compar Anat/Physio
Lectures and laboratory experience in the anatomy and physiology of each body system in all common in animal species. BoK: NS. Credit Level: U. Credit Hrs: 4.00

Animal Med Tech
Lectures and laboratories involving common procedures involving animals. Emphasis placed on restraint, administration of medications, venipuncture, and examination. BoK: NA. Credit Level: U. Credit Hrs: 5.00

Comparative Hematology
Lectures and laboratory techniques in clinical examination of blood. Guides on how to ensure quality in routine laboratory techniques. BoK: NA. Credit Level: U. Credit Hrs: 4.00

Compar Parasitology
Lectures and laboratories enabling the student to perform the routine clinical examinations for the common internal and external parasites of domestic and laboratory animals. Prereq: 28LAMD275. BoK: NS. Credit Level: U. Credit Hrs: 4.00

Principles of Radiography
Lectures and laboratories. Introduction to terminology, safety, use of equipment, technique, positioning and practice of clinical radiography.
Veterinary Technology

28VETN279
Principles of Radiography
Prereq: 28LAMD272, 28LAMD273. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28VETN280
Anim Hus & Dis I
Lectures in which the student will receive the basic concept of disease and the common diseases that affect all animal species especially in relationship to man. Canine and feline diseases will be emphasized. Aspects of prevention will be stressed. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28VETN281
Medical Records
Lectures explaining paperwork, relationships, reception procedures, etc., of any animal facility. BoK: NA. Credit Level: U. Credit Hrs: 3.00

28VETN282
Preceptorship
Practical experience obtained in private veterinary practices, institutions, and industrial settings in the immediate area of Greater Cincinnati. Students will be assessed by personnel in charge of that facility. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28VETN284
Anesthesia
Lectures and laboratories describing types of anesthetics, properties, and use. Emphasis will be placed on safe use and monitoring of patient. Prereq: 28LAMD273. BoK: NA. Credit Level: U. Credit Hrs: 2.00

28VETN285
Clin Chem Urinal
Lectures and laboratories enabling the student to perform routine tests on serological components of blood, complete chemical and microscopic examination of urine, and examination of tissue samples. BoK: NA. Credit Level: U. Credit Hrs: 4.00

28VETN286
Technical Practicum
Practical application of previously learned knowledge and techniques in autumn quarter. Students will be exposed to new ideas and concepts in research, farm and private practice settings. BoK: NA. Credit Level: U. Credit Hrs: 3.00

Women’s Studies

28WMST238
Women in Society I: Women and Work
An interdisciplinary study of female work (paid and unpaid) before and after the Industrial Revolution in North America. Includes farm, slave, domestic, childrearing, industrial, service, and professional work, with an emphasis on domestic labor and 20th-century secretarial and health care jobs. Prereq: 28ENGL101. BoK: SS, DC. Credit Level: U. Credit Hrs: 3.00

28WMST241
Introduction to Women’s Studies
Interdisciplinary survey introduction to women’s studies and women-related issues in society from a feminist perspective. Emphasis will be placed on the diversity of women’s experience. Prereq: 28ENGL101. BoK: SS, SE. Credit Level: U. Credit Hrs: 3.00