Course Descriptions

Some of these courses may be offered as online courses.

Prerequisites:
A prerequisite is a course or its equivalent that normally must be taken and passed before admission to a subsequent course can be approved. Prerequisites are listed at the end of the course description where needed.

Adult Degree Programs

ADP 200 Prior Learning Assessment (3 crs)
Students complete a portfolio summarizing their prior academic and professional training as well as their learning from significant life experiences. Prerequisite: ENG 105.

Accounting

ACC 123 Principles of Financial Accounting (3 crs)
An introduction to basic financial accounting theory and practice.

ACC 124 Principles of Managerial Accounting (3 crs)
Introduces cost and managerial accounting. Prerequisite: ACC 123.

ACC 211 Intermediate Accounting I (3 crs)
An extensive examination of descriptive financial accounting theory and practice. Constitutes the first accounting course at the professional level for the student majoring in accounting. Prerequisite: ACC 124.

ACC 212 Intermediate Accounting II (3 crs)
Continues the extensive study of descriptive financial accounting theory and practice. Prerequisite: ACC 211.

ACC 223 Accounting Information Systems (3 crs)
This course is a practicum in commercial accounting systems. Students will perform general ledger, accounts payable, accounts receivable, billing, purchase order, inventory, payroll and job costing functions using a commercial software package. The software will be used to design specialized reports for budgeting, financial analysis, product costing and for analyzing cost management techniques. Another package designed specifically for activity-based costing will be used to learn how this method of managing overhead can enhance a business's performance. Student learning will be developed and measured through computer intense projects, class discussion, library and field research. Systems theory and information technology topics are also discussed. Prerequisites: ACC 124.

ACC 305 Tax Accounting (3 crs)
Taxation of individuals and corporations. A number of normative basic tax concepts are studied along with tax rules and regulations to enhance effective learning. The preparation of federal income tax returns and the development of the ability to use varied references in dealing with tax problems are also emphasized.

ACC 311 Managerial Cost Accounting (3 crs)
A critical analysis of cost concepts as they relate to the administrative process. Includes the presentation of case studies and the use of electronic spreadsheets. Prerequisite: ACC 124.

ACC 373/374 Internship in Accounting (3 crs)
A structured learning experience during which the student will apply and expand his/her academic accounting knowledge by participating in a functioning organization. Prerequisite: permission.

ACC 401 Advanced Accounting Practice (3 crs)
An advanced study in the theory and related problems applicable to specialized topics in advanced financial accounting. Topics include: partnerships, business combinations, installment sales, consignments, foreign operations, and estates and trusts. Prerequisite: ACC 212.

ACC 402 Controllership (3 crs)
Investigates and studies the controller function within the contemporary organization. The controller is typically the chief accounting officer. The course studies the different functions for which the controller has traditionally been responsible as well as the changing role of the controller in the age of information technology.

ACC 403 Accounting for Governmental and Not-for-Profit Organizations (3 crs)
Deals with financial accounting and reporting for federal, state, and local governments, and for medical, educational, religious, human services, charitable, and other nonbusiness organizations. Topics include: fund accounting; financial reporting and budgetary control for not-for-profit organizations; program-planning-budgeting systems; and governmental and institutional auditing. Prerequisite: ACC 401.

ACC 406 Auditing Theory and Practice (3 crs)
Examination of the philosophy, concepts, and techniques pertaining to the auditing process. Prerequisite: ACC 212.

ACC 409 (MSA 509) Law for Accountants (3 crs)
This advanced course in business law focuses on topics of particular interest to the accounting profession. These topics include (to be added). Prerequisite: BUS 315.

Biology

BIO 105 The Process of Biology (3 crs)
An introduction to biology as a way of knowing and communicating about living systems. The themes are how living systems process energy and information, relate ecologically to their environments, and evolve over time. The goal is scientific literacy, i.e., skill in applying theories, evaluating evidence and manipulating concepts.

BIO 107 Evolutionary & Ecological Biology: They Dynamic Environment (3 crs)
An exploration of how living things relate to each other in both space (ecology) and time (evolution). Included is an overview of the history and diversity of life on earth, an examination of representatives of various taxonomic groups as well as a study of taxonomy itself.
BIO 108 The Form & Function of Biological Organisms (3 crs)
An overview of the anatomy and physiology of plants and animals, with an emphasis on human structures. The inter-relationships of the hierarchical levels of biological organization will be discussed.

BIO 109 Cells & Chromosomes (3 crs)
An exploration of variations on the themes of biology at the cellular level, including subcellular architecture and ultrastructure; metabolism; molecular biology; cell signaling; cellular reproduction; and an introduction into the concepts of genetics and development. Since this course will involve the examination of living systems at the molecular level, this course should only be taken after students have had at least one semester of college-level chemistry. Prerequisite: one semester of college-level chemistry.

BIO 128 Human Anatomy and Physiology I (3 crs)
The first course in a two course series that examines the anatomy and physiology of the human body. This course begins with the study of the levels of structural organization and proceeds with an in-depth study of the integumentary, musculoskeletal, nervous and endocrine systems.

Business

BUS 221 Quantitative Business Analysis (4 crs)
This course addresses the vital tools of business management, including statistical applications, sampling, data collecting, simple linear regression, ANOVA, Chi Square, simple linear programming, networks and decision analysis. Prerequisite: MAT 105.

BUS 313 Information Systems and Operations (3 crs)
This course addresses systems in an operations environment, including computer hardware, software, communications, data bases, data warehousing, data mining, enterprise systems, e-commerce, IS acquisition, product/service development, process analysis, forecasting, capacity and aggregate planning, scheduling, MRP, JIT and inventory management. Prerequisites: MGT 111, ACC 124 and BUS 221.

BUS 315 Business Law (3 crs)
Study of the bases of the law and Uniform Commercial Code, which is most likely to be encountered in a business environment. Topics include contracts, personal property, bailments, sales, torts, government regulation, administrative agencies, corporations, partnerships, commercial paper, insurance, bankruptcy, real property, estates and trusts.

BUS 410 Strategic Business Planning (3 crs)
This capstone course is concerned with the development of approaches for defining, analyzing and resolving complex strategic problems of profit and not-for-profit organizations. The course should be taken in the last year of the student’s program.

Chemistry

CHE 105 Introductory General, Organic & Biochemistry (3 crs)
An introduction to fundamental chemical principles necessary to describe the behavior of matter. Biochemical concepts included as needed. Required for BSN majors.

CHE 107 Introductory Chemistry for Non-science Majors (3 crs)
Introductory chemistry course for the non-science major emphasizing applications of chemistry to problems involving environmental pollution, sources of energy, radioactivity and human health.

CHE 110 General Chemistry (4 crs)
Modern concepts of atomic structure and chemical properties, chemical bonding, stoichiometry and states of matter.

Computer Science

CSC 108 Intro. to Structured Programming (3 crs)
An introduction to computer-oriented problem solving using a structured programming language. Covers file management and effective use of an operating system as well as introductory programming techniques and documentation. No previous computer experience or programming expertise is assumed. Not counted among the requirements for Computer Science Major. (MAT 090-091-092 required for those with insufficient mathematics background.)

CSC 110 Computer Science I (3 crs)
This course emphasizes the methodology of structured programming in a high level language (currently C++), introduces basic data structures and elementary algorithms. An emphasis is placed on reusable software tools, good documentation and top-down design. Programming and other written assignments are included, and a separate supervised lab explores specific programming problems in more detail. Previous programming experience is helpful. A strong mathematics background is required. Required for Computer Science Major.

Economics

ECO 110 Principles of Macroeconomics (3 crs)
A presentation of basic macroeconomic relationships. Topics emphasized are: the determination of income and employment, monetary and fiscal policies, inflation, interest rates and economic growth.

ECO 221 Principles of Microeconomics (3 crs)
A presentation of basic theories of consumer behavior and of the firm. Other topics include: study of elasticity, firm and industry equilibrium under various market structures, and international trade. Prerequisite: ECO 110.
English/Literature/Fine Arts

ENG 105 Process of Composition (3 crs)
Elements of expository essay writing; research techniques; editing and revising prose for accuracy, precision, and style. Core fulfilling.

LIT 120 Literary Foundations: Methods & Genres (3 crs)
Study and development of the techniques of literary study using the genres of fiction, poetry and drama. Includes experience in the application of literary critical methods.

LIT 250 Literary Explorations: Conflicts & Culture (3 crs)
Examination of selected topics within literary studies, using the tools of literary analysis established in LIT 120. Course topics fit within an organizing rubric such as: Community and Discord in Literature; Ethics and Values in Literature; Past and Future in Literature. Prerequisite: ENG 105/110; LIT 120.

FAS 110 Introduction to Theater (3 crs)
Through an examination of the role of theater in society and an in-depth study of theatrical works to understand the various elements that combine to make the theatrical experience, this interactive course provides an understanding of the creative process and develops skills in creativity and critical analysis. Heightened perceptual abilities are developed through field visits to arts events, as well as through class projects.

FAS 111 Theater History (3 crs)
After exploring the elements of theater, students will study the major developments of dramatic theater, beginning in the classical world and traveling straight through our contemporary era. The course will give particular attention to characteristics of the Greek and Roman stage, the evolution through Christian religious sensibilities in the medieval era and into the humanism of the Renaissance and modern periods. Students will explore the relation of theater to society and historical formation.

FAS 112 Children's Theater (3 crs)
This course covers the theory and application of creative dramatics and children's theater activities in education and performance, based in a grounding in the elements of theater. The members of the class will, over the course of the semester, engage in the creation of a children's drama and attend and analyze the annual campus children's production.

FAS 120 Introduction to Music (3 crs)
This course is designed to introduce students to the basic principles of music via theory, form, and history. Students will have their musical horizons broadened through introduction to a stimulating variety of Western and World musics in high and low cultural forms of musical expression. The object will be to develop students' curiosities about human communication through music, engaging them in creative and academic activities.

FAS 122 Survey of Western Music (3 crs)
This course presents students with a basic overview of the development of music in the western world from Gregorian Chant through the twentieth century. Emphasis will be on the emergence of styles and schools of music and on highlighting significant composers whose works continue to find a place in today's global cultural scene.

FAS 123 Jazz (3 crs)
Students will encounter and learn to differentiate among various jazz styles through active listening and study. This course examines the history and evolution of jazz as an American phenomenon and creates the basis for exploring and identifying jazz elements in the world music scene.

FAS 124 Liturgical Music (3 crs)
The music of worship has been much beloved and hotly contested for more than a millennium. This course explores liturgical music styles and elements in Catholicism and Protestantism from Gregorian Chant through Vatican II. Students will be introduced to musical settings and practice through a variety of chapel and parish on-site visits.

FAS 125 Music and Movies (3 crs)
Some of the most important orchestral composition, arrangement, and performance in contemporary music is undertaken in collaboration with filmmakers. Through a study of the legendary film score composers from Bernard Herrmann to John Williams to Philip Glass, students will explore the choreographic synergy of motion pictures and music.

FAS 130 Film: The Creative Process (3 crs)
No artistic process is more collaborative than the filmmaking process, where artists of various talents and expertise, including the dramatic (screenwriter), visual (art director, cinematographer, editor), and the auditory and musical (score composer, sound designer) come together to help realize (and shape) the director's vision of the finished film. Students will explore the auteur approach at one extreme of filmmaking theory all the way through improvisation at the other end of the spectrum, with an emphasis on the various "dialects" of film language that each filmmaker's position contributes to the finished product of a film.

FAS 131 Film History (3 crs)
Movies are a distinctly American art form—formed here and developed by Hollywood into a multi-billion-dollar global industry, one of our country's leading exports. Yet other nations, particularly in Western Europe, have been just as innovative in the emergence of cinema as entertainment and as art. Students will explore cinema classics from the silent era through the digital age, observing the delicate balancing act between aesthetic and commercial impulses.

FAS 132 The Reel World (3 crs)
When we think about movies, we typically think of Hollywood product—what's playing at the multiplex. But there's a wide world of other cinematic traditions out there, often either influenced by and/or reacting against Hollywood methodology. In turn, American films often gather fresh inspiration from their international counterparts. Students will study classic and contemporary international filmmakers, exploring the ways in which culture influences art—and vice versa.

FAS 133 New Hollywood and Independent Cinema (3 crs)
As an essentially conservative industry, Hollywood has always sought to manufacture crowd-pleasing formulas that swiftly slip into stale predictability. At the commercial fringes, however, filmmakers without big budgets or supervisory constraints take risks and make films that nudge film art (and its audiences) forward. Students will study DIY mavericks (Anderson, the Coens, Coppola, Lee, Soderbergh, Tarantino) of the "Sundance generation," who are aesthetic godchildren of the 1970s directors (Allen, Altman, Coppola, Lucas, Scorsese, Spielberg) who changed the formal language of film.
The powerful impressions made by fictional film narratives routinely persuade us of the reality of whatever we see and hear in a film. Such expressive formal power may also be used to inform, provoke, and/or move us about social and political realities. Using an understanding of film language, students will distinguish between rhetorical modes and categories of non-fiction filmmaking, exploring classic and contemporary cinematic agitprop, essays, and reportage.

**FAS 135 Cinema Genres (3 crs)**

Movie narratives come in many tidy packages, called genre forms – comedy, romance, western, crime, horror, and many more. These narrative forms provide orientation for an audience: we know what to expect and how to understand stories based in an innate accumulation to the arc of these narratives. Students will become familiar with several of the generic formulas of film and/or study one genre in depth, focusing on how film language helps to solidify (or subversively undercut, for thematic reasons) our consumption of narratives; films studied will include traditional examples of the genre and contemporary variations. Likely genre subjects for in-depth study are The Western, Film Noir, and Horror.

**FAS 136 (RST 312) Religion and Film (3 crs)**

An examination of select films which present religious issues in a way that stimulates the religious imagination and theological reflection. The films may be organized around a theme (e.g., suffering, death, and hope; the sacramentality of everyday life; the quest for God; religious commitment and moral decision-making) or around a selection of filmmakers whose films reveal various religious interests. Prerequisites: RST 106 or 107.

**FAS 137 Cinema and the Classical World (3 crs)**

Like the rest of the culture, filmmakers in Hollywood and beyond have maintained a fascination for the ancient worlds of Greece and Rome. Through a study of significant film traditions and masterpieces from the silent era to the Golden-Age epics through modern blockbusters of classical history and mythology, students will explore source materials for these narratives and examine the modern motives for telling (or sometimes drastically re-telling) these stories.

**FAS 138 Hitchcock and His Heirs (3 crs)**

Alfred Hitchcock, the medium of cinema, and the Twentieth Century were born within a few years of one another, and together they grew up. Hitchcock is in many ways the classic correspondent of that rich and troubled century. He mastered the use of what he called “pure cinema,” and from film noir and the great European cinema traditions, he invented the modern suspense and horror film genres. This course will study several of his masterpieces, then explore his influence on two subsequent generations of filmmakers.

**FAS 139 Contemporary Film (3 crs)**

This course explores significant films made in and beyond Hollywood since 1995, including blockbusters, independent cinema, and international films. Films with the potential to have a lasting influence or impact upon the business or art of movie-making will receive particular attention.

**FAS 140 Introduction to Visual Art (3 crs)**

This course examines the visual elements, their nature, functions, and relationships in painting, sculpture, architecture and industrial design. Along with formal analysis of various artworks a brief survey of painting, sculpture, and architecture from prehistoric times to the present stressing critical thinking will also be explored. Some central questions we will address are: What is art? What is beauty? What is kitsch? Are artists crazy? Is art necessary for human beings?

**FAS 141 Religion and Art (3 crs)**

If all art is communication, religious art is an attempt to communicate specifically about spiritual experience. Within the context of this course, such communication may take the form of prayerful communion with and about God or of commentary about religious experience. In any form, artistic communication is meant to be absorbed by an audience. Students will explore varieties of religious communication (via several media, including painting, sculpture, architecture, and video) with an equal focus on the formal elements and the artist’s intention.

**FAS 142 (PWR 142) Photography (3 crs)**

This course introduces students to the history, aesthetics, and principles of photography with an emphasis on the rhetoric of digital photography. Students will explore the history and development of photography and learn the principles of composition, lighting, exposure, and special effects. This course has no prerequisites but requires the use of a camera with manual settings.

**FAS 143 Women and Art (3 crs)**

The history and practice of Western art is profoundly male-dominated, reflecting the larger patriarchal hegemony that has ruled the centers of art patronage since classical times. Yet women have exercised an increasingly resonant voice in artistic expression since the early modern era in Western Europe. Examining major “old master” artists such as Artemisia Gentileschi and Marie-Louise-Élisabeth Vigée-Lebrun and transitional Impressionists such as Mary Cassatt and Berthe Morisot, the class will encounter the explosion of modern artistic creativity by women in the twentieth century and the contemporary art world.

**FAS 144 Classical Art and Archaeology (3 crs)**

This course provides an outline of the major developments in classical Greek and Roman art and archaeology. Chronologically, the material in the course spans the Minoan to the Hellenistic periods in Greek culture, and the Etruscan to the late Roman and early Christian eras in Roman culture (approximately 3000BCE – 350CE). Aspects of Greek and Roman life and society such as religion, military life, burial practices, and interaction with other cultures are integrated into the study of the material remains of ancient Greece and Rome.

**FAS 145 Architecture (3 crs)**

The structures that humans have built and continue to build for themselves have a variety of functions, from the elemental provision for shelter, to grandiose claims about power, to genuine communication about self-identity, community, and theology. Certain basic assumptions about design persist; this course will begin with the elements of architectural vision and extend to questions and issues centered around what the great Chicago architect Louis Sullivan summed up in his famous statement: “Form follows function.” Textbook examples will be balanced by field-trip study.

**FAS 146 Major Painters (3 crs)**

One of the great Romantic images of western culture is the solitary artist, envisioning the world, then capturing that vision on a frescoed wall, wood panel, or stretched canvas. This course examines the development of the western painting tradition from the Gothic era forward, acknowledging the influence of the classical world and other cultural traditions of image-making. Discussion will also consider a reassessment of canonical assumptions about “greatness.” While some emphasis will be placed on styles or schools, focus will be on representative geniuses of those schools, from Giotto through Warhol.
FAS 147 Hand and the Eye: Beginning Visual Art (3 crs)
The relationship of inner-vision (what the mind sees) and creation (what the artist's hands produce) is the focus of this introductory course; there are no prerequisites for interested students other than an open mind to exploring their own creative directions and the work of other artists, both canonical and contemporary. Along with a solid grounding in the practical elements of two- and three-dimensional art, students will experience (with eyes and hands) at least the rudiments of drawing, watercolor painting, or sculpting.

Finance
FIN 311 Principles of Finance (3 crs)
A basic study of organizational and financial practices and problems which arise in connection with business organizations, especially the corporation. Topics include: financial markets, time value of money, basic capital budgeting, basic long-term financing decisions and working capital policy. Prerequisites: ECO 110, ACC 123.

History
HIS 110 The Twentieth Century (3 crs)
This course begins with an examination of Europe's position of political, economic and military dominance in the world in the decades before World War I. After a thorough treatment of the causes and effects of the Great War and the rise of Japan to great power status, our emphasis shifts to the international economic and political problems of the interwar era. The course analyzes the rise of authoritarian regimes of the right and left in Europe, the civil war in China and the imperialist powers' weakening grip on their colonies in Africa and Asia. World War II and the Holocaust figure prominently in the second half of the course, as do the decolonization process, the Cold War between the U.S. and the Soviet Union and post-Cold War issues such as ethnic conflict and responses to globalization.

HIS 120 Historical Methods (3 crs)
The content of these courses (in terms of both geographic area and historical period) varies from instructor to instructor. All are designed to familiarize students with the methods and procedures used by historians in researching and writing about important historical trends and events. Course activities include using primary and secondary sources; developing a sense of interpretation grounded in creative but responsible scholarship; improving writing skills in analytical, response and research papers; and giving oral presentations.

International Studies
INS 111 The World Community (3 crs)
An introduction to the global environment. Topics include world geography, comparative cultures, international conflict and economic interdependence.

INS 212 Global Politics (3 crs)
Conflict and conflict resolution on the international level. Examination of various theories put forward to explain international conflict. Consideration of major international problems: war, imperialism, food, energy. Prerequisite: INS 111, or SOC 105 or POS 110

Management
MGT 111 Principles of Management (3 crs)
An introductory study of planning, organizing, leading, motivating, and controlling in a modern business, including systems, supervision leadership and human resources.
**NUR 309 Introduction to Nursing Care (8 crs)**
This course examines the foundational principles of the delivery of nursing care. Health care issues are explored and students are introduced to basic nursing concepts. 4 credit hours of clinical experiences afford the opportunity to provide nursing care to select clients. Prerequisite: NUR 361 and science challenges.

**NUR 319 Acute Care Nursing I (7 crs)**
This course focuses on the care of clients with acute health care needs as well as clients who require adaptation across the life span with special emphasis on the maternal, child and psychiatric client. Three (3) credits of clinical experiences emphasize nursing care relevant to short-term health needs and health maintenance issues. Prerequisites: NUR 361 and science challenges.

**NUR 320 Acute Care Nursing II (4 crs)**
This course focuses on the care of clients with acute health care needs as well as clients who require adaptation across the life span with special emphasis on the adult client. One (1) credit of clinical experiences emphasize nursing care relevant to short-term health needs and health maintenance issues. Prerequisites: NUR 361 and science challenges.

**NUR 323 Introduction to Pathophysiology (2 crs)**
Examines disruptions of normal physiology and related signs, symptoms, physical and laboratory findings. Correlates with NUR 320 and provides underpinning for that course. Prerequisite: NUR 361 and science challenges.

**NUR 326 Psychopathology (2 crs)**
Major emphasis placed on pathology of emotional health problems. Prerequisite: NUR 361 and science challenges.

**NUR 327 Elements of Research in Nursing (2 crs)**
Critical review and analysis of research in nursing. Specific guided reviews of research reports are conducted. Prerequisites: MAT 105, NUR 361.

**NUR 329 Clinical Pharmacology (2 crs.)**
A study of the principles of pharmacology as they relate to the nurse's role in monitoring the client's status and promoting health.

**NUR 335 Systems Concepts (1 cr)**
This course examines the interaction of the nurse with various systems, including the family, community and the profession. Prerequisite: NUR 361 and science challenges.

**NUR 350 Basic Clinical Practicum (6 crs)**
Clinical experience in which the student demonstrates the ability to provide basic nursing care in a variety of settings.

**NUR 361 Concepts of Nursing Practice (3 crs)**
Emphasis on theory and concept identification in nursing, including general systems theory and the behavioral systems model. A focus on assessment includes health, physical and family assessments. This is a transition course for registered nurse students.

**NUR 421 Pathophysiology (2 crs)**
Continuation of the study of disrupted physiology and related signs, symptoms and findings. Correlates with NUR 405 and provides underpinning for that course. Prerequisite: NUR 361 and science challenges.

**NUR 426 Nursing Trends and Issues (2 crs)**
Analysis of the evolution and significance of current trends and issues in nursing. Prerequisite: NUR 361.

**NUR 435 Multisystem Nursing Care (4 crs)**
This course examines the care of the client with multisystem needs. Prerequisite: NUR 361 and science challenges.

**NUR 440 Clinical Practicum I (2 crs)**
Clinical experience with a focus on the care of the client with multisystem needs in chronic illness with the focus on health promotion. Prerequisite: Taken concurrently with or following NUR 435.

**NUR 445 Complex Care I (2 crs)**
This course examines nursing management concepts in the care of clients with complex needs. Prerequisite: NUR 361, science challenges and NUR 327.

**NUR 450 Clinical Practicum II (2 crs)**
Clinical experience with a focus on clinical management of clients with complex needs applying the principles of case management. Prerequisite: Taken concurrently with or following NUR 445.

**NUR 455 Complex Care II (2 crs)**
This course examines clinical management of clients utilizing the principles of case management. Prerequisite: NUR 361, science challenges and NUR 425.

**NUR 460 Comprehensive Assessment (3 crs)**
This course examines in-depth principles and technologies for physical, family and community assessment. Prerequisites: NUR 361 and science challenges.

Courses which may be challenged or transferred by the RN student.

**Courses placed in escrow upon entering the RN to BSN program.**

---

**Organizational Leadership & Development**

**ORL 401 Dynamics of Group and Organizational Behavior (2 crs)**
This module is a study of group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on decision making and conflict resolution in groups. Students develop strategies for efficient and productive group management and determine which tasks are best handled by groups or individuals.

**ORL 403 Systems Management (2 crs)**
Students examine the organization using a systems model. They analyze various formal and informal aspects of the organization including structure, purpose, leadership, rewards, relationships, helpful mechanisms, power and decision-making. This analysis can be applied to the student's work related research project, or to another organization of the student's choice.

**ORL 424 Report Writing (2 crs)**
Students will explore techniques for improving the effectiveness of writing styles and forms common to the business world. Students in the course will have the opportunity to improve their ability to communicate through critical thinking, writing, revising, and editing. Students will also prepare for the writing of the Applied Research Project.

**ORL 405 Research Methods and Design (3 crs)**
Students will examine key concepts of research design, methods of data collection and data analysis. The students will cover how to write a clear research question, hypothesis formation, sampling techniques, questionnaires, interviews and design of tables and graphs among other topics. The module will help the students produce a well designed and executed applied research project.

**ORL 406 Effective Interpersonal Communication (2 crs)**
This module investigates the roles of communication and relationships in creating a productive work environment. Effectiveness in personal and social relationships is covered through readings and exercises concerning non-verbal communication, constructive feedback, assertiveness, and conflict resolution.
ORL 407 Culture and Culture Conflict (2 crs)
Students use literature and interviews to explore the values, beliefs, customs and perceptions of racial and ethnic groups, especially as these affect interactions in the workplace. The concepts of culture and social class are developed through simulation. The obligations and implications of equal opportunity laws are discussed.

ORL 408 Prin. of Management and Supervision (4 crs)
The major theme of this module is behavior within organizations and its impact upon and by the organization. Emphasis will be placed on understanding (a) motivational theory and how it may explain individual as well as group actions; (b) leadership style as it relates to organizational theory or design; (c) negotiations within the organization; (d) current management theories including their use within the organization; and (e) supervisory issues such as performance appraisal, legal concerns in employment practices and employee benefits.

ORL 409 Business Ethics (3 crs)
The purpose of this module is to enhance the students’ ability to recognize actual and potential ethical problems in the workplace for the purpose of preventing or resolving them. Through readings, videos and discussions, students learn to apply ethical principles to cases involving such things as hiring, conflicts of interest, gifts and bribes, fairness, and consumer; environmental and safety issues.

ORL 410 Religion and Spirituality (1 cr)
The focus is an examination of a key question: What is the meaning of life? The module presupposes that religion is expressive of the human activity which seeks to answer this question satisfactorily. Within the module itself will be the consideration of alternative religious schema.

ORL 411 & 413 Leadership and Social Concern (2 crs)
Through an analysis of readings of selected individuals who have developed positions on social concerns, a model for social change will be developed. This course is seen as a continuing experience intended to integrate the various theories with a dimension that is uniquely Wheeling University’s: the Jesuit dimension of “men and women for others.”

ORL 412 and 414 Applied Research Project (6 crs)
The project examines an organizational problem in the student’s occupational or avocational setting and proposes a solution or a combination of solutions. The student formulates the problem statement and develops and implements a research design. A literature review is included in the project. The student works on the project over a 12-month period.

ORL 422 Adult Development and Learning (1 cr)
Students use readings, classroom discussions and assignments to develop an understanding of adult growth, especially as it relates to personal and professional development. They will examine a variety of learning styles and content areas as they explore adult development and learning across the life span.

Philosophy

PHI 105 Logic and Knowledge (3 crs)

Introduction to the fundamentals of critical reasoning (e.g., the structure of deductive and inductive arguments; fallacies; the square of opposition and categorical syllogisms) and the ways in which critical reasoning integrates with the basic questions and positions in the philosophy of knowledge.

PHI 205 Philosophy of the Human Person (3 crs)

A philosophical study of the human person as a being who, while embodied in nature, is capable of rationally knowing, freely choosing and creatively acting as a unique individual open to communion with others and with the Transcendent. Prerequisite: PHI 105

PHI 305 Ethics (3 crs)

How ought human beings live in society? Study of the nature, types, and criteria of values, with an in-depth study of ethical principles and their applications to certain contemporary moral problems, e.g., abortion, euthanasia, capital punishment, war and peace. Prerequisite: PHI 105, PHI 205.

Physics

PHY 104 Physical Science (3 crs)
The goal of this course is scientific literacy in the physical sciences for the nonscience major. The basic principles of physics and chemistry are studied. These principles are then applied to the fields of geology, astronomy, and meteorology.

PHY 105 General Physics (3 crs)

A one-semester physics course for technology majors. The course is quantitative, requiring algebra and trigonometry.

PHY 107 Astronomy (3 crs)

Introduction and historical outline of astronomy and development of physical laws used to describe the solar system, space, stars, galaxies, the universe, and some observational techniques.

PHY 108 Geology (3 crs)

Introduction to physical geology: internal structures of the earth; dynamical features; plate tectonics; crust and lithosphere production, balance, and movement; oceans; seashore; continents; inland water and ice sheets.

PHY 110 Physics I (4 crs)

Concepts and methods of Physics; I: Newtonian mechanics, relativity, harmonic motion, fluids and elasticity. Prerequisite: MAT 108 or equivalent.

PHY 131 Earth and Space Science (3 crs)

A course designed for students who are interested in teaching biology, chemistry, physics or general science at the intermediate or secondary level. Topics covered will lead to an understanding of the physical factors that effect the environment, the earth atmosphere and the solar system.

Political Science

POS 110 American Political Process (3 crs)


POS 241 Public Policy (3 crs)

This course will explore the policy making process in the United States. It will examine how the agendas of policy makers are set, how the policy is formulated and how it is implemented. It will also question who benefits from the policy making process. Topical issues of national policy will be used to illustrate the process. Prerequisite: POS 110.

POS 242 State and Local Government (3 crs)

This course will examine the structure and functions of government at the state and local level. It will compare and contrast the various types of governments that exist across the United States. It will also examine the intergovernmental relationships between the localities, the states and the national government. Prerequisite: POS 110.
Psychology

PSY 110 General Psychology (3 crs)
A survey of contemporary psychology, including the topics of conditioning and learning, sensation and perception, psychophysiology, motivation and emotion, memory and cognition, development, social behavior, psychological testing, personality, psychopathology, and psychotherapy. Prerequisite for all other courses in psychology.

PSY 212 Developmental Psychology (3 crs)
An analysis of development throughout the life-span, with special emphasis on various theoretical approaches to development.
Prerequisite: PSY 110.

Theology & Religious Studies

RST 106 The Religious Quest (3 crs)
An introduction to ways of interpreting the Bible and the great religious questions: God, evil, community, faith, salvation, worship, etc.

RST 107 Catholicism (3 crs)
An introduction to the great religious questions within the context of Catholicism. Ecumenism and Catholicism's relation to other religions will be a component. This course is recommended for Catholic students.

RST 203 World Religions (3 crs)
A study of the origins, history, and principal beliefs of the major Western and Eastern religions: Hinduism, Buddhism, Confucianism, Taoism, Shinto, Judaism, Christianity and Islam, with an emphasis on interreligious understanding.

RST 206 The Church in the Modern World (3 crs)
A presentation of the Church's understanding of itself, its membership, ministry and mission to the world, with emphasis on Catholic and Protestant views of the Church as they have emerged in the 19th and 20th centuries, but with reference to the historical roots of modern developments.

RST 207 Christian Marriage (3 crs)
Psychological, sociological and experiential reflections on marriage as a way of life examined in the light of insights offered by the Christian tradition and its understanding of marriage as a Christian sacrament; reflections on moral issues related to marriage.

RST 303 Studies in Living Religious Traditions (3 crs)
An introduction to the historical, cultural and theological aspects of one of several religious traditions other than Catholic Christianity (e.g., Protestant or Orthodox Christianity, Judaism, Islam, American Indian) an examination of its history, its beliefs and practices, and its lived-reality today.

RST 305 Christian Morality Today (3 crs)
A study of contemporary efforts to rethink the Christian framework of moral decision-making: an analysis of love, freedom, conscience, sin and natural law and of the use of these terms in resolving current moral problems. Christian morality compared and contrasted to the moralities of other religious traditions. (Juniors and seniors only.)

RST 308 Issues in Bioethics (3 crs)
An analysis of the impact of Christianity's vision of life on current issues in bioethics; caring for the dying, abortion, medical experimentation, organ transplants and the new procreative technologies.

RST 401 Contemporary Theological Trends & Issues (3 crs)
Intensive study of new developments and current issues in theology and church life with a view to understanding their origins and implications.

Core Fulfilling Courses

1. RST 106 or RST 107 (prerequisite for all other RST courses)
* Note: RST 401 involves advanced work and requires that non-majors receive permission of the instructor for admission.

Social Science

SSC 105 Social Science from a Global Perspective (3 crs)
An introduction to the study of human group behavior from both a sociological and global perspective. This includes a brief survey of the origins, development and modes of inquiry of social science. Key concepts and distinctive approaches of major disciplines will be presented including anthropology, economics, geography, political science, psychology and sociology.

SSC 110 Introductory Anthropology (3 crs)
Physical and cultural anthropology. Brief discussion of origins, perspectives, and research methods of the discipline. Consideration of evolutionary and non evolutionary theories. Examination of human beings as social and culture-creating entities in the linguistic, marital, educational, economic, political and religious spheres.