Course Descriptions

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 213 Intermediate Accounting III (3 crs)
Concludes the extensive study of descriptive financial accounting theory and practice. Prerequisite: ACC 212.

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 312 Advanced Managerial Accounting (3 crs)
Concludes the extensive study of cost concepts as they relate to the administrative process. Topics include: information and human behavior, conceptual foundations of management accounting, decision-making concepts, forecasting, extensions of cost-volume-profit analysis, cost-benefit analysis of information, variance investigation, allocation issues, social audits, strategic planning, advanced capital budgeting, performance evaluation, transfer pricing, human resource accounting, ethics. Includes the presentation of papers and case studies. Prerequisites: ACC 311, MGT 319.

ACC 313 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 212 and ACC 311.

ACC 315 Business Law I (3 crs)
Beginning coverage of the provisions of the Uniform Commercial Code which are most likely to be encountered in a business environment. Topics include: contracts, personal property, bailments, sales, torts, government regulation, and administrative agencies.

ACC 316 Business Law II (3 crs)
Continues the study of the Uniform Commercial Code. Topics include: corporations, partnerships, commercial paper, insurance, bankruptcy, real property, estates and trusts. Recommended for students planning to sit for the Uniform CPA Exam. Prerequisite: ACC 315.

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 213.

ACC 402 Accounting Theory and Policy (3 crs)
A capstone course designed to systematize the theoretical foundations provided by all previous accounting courses. The aim of this course is to provide students with a general survey of normative and descriptive financial accounting theory and policy. Students should come out of this course with increased knowledge about accounting research and the standard-setting process as well as in-depth understanding of major problem areas of financial accounting. Prerequisite: ACC 213.

ACC 403 Accounting for Governmental and Not-for-Profit Entities (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 405 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 406 Auditing Theory and Practice (3 crs)
Examination of the philosophy, concepts, and techniques pertaining to the auditing process. Prerequisite: ACC 213.
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 110 General Biology I (3 crs)
An exploration of variations on the themes of biology: metabolism, phylogeny, development, systematics, anatomy and physiology of plants and animals, animal behavior, etc.

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 indepth study of the integumentary, musculoskeletal, nervous and endocrine systems.

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 Introduction to Structured Programming (3 crs) (Core) – Every Semester
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 (4 crs) (Core) – Every Semester
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. The course requires previous programming experience in some high level programming language (such as that in CSC 108) and a strong mathematics background (determined by math placement). Prerequisites: CSC 108 or instructor approval. Required for Computer Science Major.

Criminal Justice

CRJ 111 Survey of Criminology (3 crs)
Looks at theoretical approaches to criminal behavior and the controversies arising from them. Modern criminal justice policies and the ideologies that lie behind them are applied to the problems of crime control and the sentencing of criminal offenders.

CRJ 112 Introduction to the Criminal Justice System (3 crs)
Surveys patterns of crime and the processes of the American justice system. Crime, law enforcement, judicial process and corrections are examined from political, sociological and psychological perspectives.

CRJ 212 Criminal Law and Procedure (3 crs)
The basic principles of substantive criminal law are illustrated through analysis of cases. Topics include the elements of crimes against persons and property, the fundamentals of crime liability and justifications and excuses such as self-defense and insanity. Problems of advocacy at both trial and appellate levels are also explored.

CRJ 215 Law Enforcement (3 crs)
Provides a social science perspective on the training and socialization of police, police corruption, police-community relations and the pressures of police work. The fundamentals of criminal procedure are also covered, including arrest, search and seizure and the use of deadly force. Prerequisite: CRJ 111, 112.

CRJ 220 Cyber Crime (3 crs)
Cyber crime traces technological advances and the adaptation by the criminal element for illegal activities. The student will learn about the difficulties in investigating and tracking the cyber criminal, as well as the complex jurisdiction and legal issues facing the prosecution of a cyber crime. Examples will be explored of unauthorized access into a private computer or information system by hackers, crackers, business competitors and foreign agents traveling on the “Information Highway.”

CRJ 225 Crime and the Media (3 crs)
This course will analyze images of crime and criminal justice as portrayed and presented by the mass media. The focus will primarily be on crime in movies, television and news/newspaper coverage: more specifically, how the media portrays society’s struggle with the crime problem. A major theme of the course is whether media interpretations of crime, which are acknowledged by the public to be accurate, make it more complicated for a true explanation of crime to be understood. Prerequisite: CRJ 111, 112.

CRJ 312 The Juvenile Justice System (3 crs)
Analyzes theories of the causes of juvenile crime and the processes of the juvenile justice system, including a critical look at juvenile correctional policies. Prerequisite: CRJ 111, 112.

CRJ 317 Survey of Court Operation & Organization (3 crs)
The course begins with an examination of the structure of courts and how they are administered. Other areas of focus include pretrial procedures, the roles of the prosecutor, the defense, the judge, the sentencing process and the appeal process.
CRJ 318 Occupational Crime (3 crs)
Examination of conduct in violation of the law that is committed through opportunities created in the course of a legal occupation. Methods for counting and regarding occupational crimes and criminals. Theories and explanations of these behaviors. Sanctioning and social control of occupational crime.

CRJ 321 Corrections (3 crs)
Examines American correctional policies and their historical development. Provides a close look at both community-based and institutional corrections, as well as the processes of probation and parole and the legal rights of prisoners. Prerequisite: CRJ 111, 112.

CRJ 325 Theoretical Criminology (3 crs)
This course examines the meaning of criminal behavior and the different sociological and psychological explanations of criminal behavior. In addition, the student will learn how to critically evaluate theory and its relevance for policy implementation. Prerequisite: CRJ 111, 112.

CRJ 327 (POS 327) Comparative Systems of Justice and Social Control (3 crs)
Introduction to the concepts of justice, law, deviance and social control. Examination of informal and formal systems of justice and social control, including traditional systems, common law, civil law, Marxist law and Islamic law.

CRJ 329 (POS 329) Constitutional Law (3 crs)
Examines the evolution of American national government through the development and interpretation of the U.S. Constitution. Judicial review, separation of powers, commerce power, contracts, taxing, the power to make war and due process are among the topics studied. Prerequisite: POS 110.

CRJ 330 (POS 330) Civil Rights & Civil Liberties (3 crs)
A comparison course to Constitutional Law (POS 329), this course analyzes Bill of Rights guarantees of individual freedom, due process and equal protection interpretations, as well as modern policies flowing from civil rights legislation in areas affecting employment, education and welfare benefits.

CRJ 340 Issues in Criminal Justice (3 crs)
Analysis of specific topics, depending on student interest and current importance; examples include the international war on drugs, causes and effects of domestic violence. Prerequisite: CRJ 111, 112.

CRJ 410 Ethical and Philosophic Issues in Criminal Justice (3 crs)
Examination of selected ethical and philosophic issues currently facing the field of criminology and criminal justice. Issues will be drawn from categories, such as the function of law, the development of moral behavior, individual versus societal rights, ethics and the application of the law within the justice system. Prerequisite: CRJ 111, 112.

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 121 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.

Education (for Allied Health Majors)

EDU 311 Principles of Curriculum and Instruction (3 crs)
An introduction to educational methods and techniques and their application to a clinical setting.

EDU 312 Testing and Measurement (3 crs)
The implication of knowledge, techniques, concepts, and theories of educational measurements in instruction.

TPP 210 Educational Technology (2 crs)
A hands-on course integrating usage of equipment and preparation of instructional materials, including media for instructional purposes.

English/Literature/Professional Communications

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.

FAS 105 Fine Arts Explorations (3 crs)
By focusing on one topic in the fine arts, this course will integrate issues of music, drama and visual arts into a framework for understanding, appreciating and discussing in verbal and written form aesthetic experience. Coursework includes attendance at public performances/exhibits. See department contact person for current listings of fine arts electives. This course fulfills the requirement for the core fine art credits and can serve as a prerequisite for any other FAS course.

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. Prerequisite: ENG 105/110.

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 of: Community and Discord in Literature; Ethics and Values in Literature; Past and Future in Literature. Prerequisite: ENG 105/110; ENG 120.

PWR 135 Communicating in the 21st Century (3 crs)
Survey of essential concepts and skills for effective communication in media, business and personal life with emphasis on professional writing with the new computer technologies. A major focus of the class is on using these new communications technologies in ways that foster fuller development of the human person. This course assumes no prior knowledge of computers or word processing. Strongly recommended for English and professional writing majors and all those who want to improve their computer literacy, media literacy, word processing, interpersonal communication, online research and Internet skills.
PWR 135 Communicating in the 21st Century (3 crs)
Taught on-line
This course is a survey of the essential concepts and skills for effective communication in media, business and personal life with emphasis on professional writing with the new computer technologies. The focus is on using these technologies that foster fuller development of the human person and social responsibility. Students will have opportunity to produce a resume, simple web site and a simple multimedia presentation for their portfolios.

PWR 226 Desktop Publishing–Illustrator and QuarkXPress (3 crs)
Fundamentals and techniques of computer literacy, word processing, illustration, chartmaking, page layout, and visual design using Adobe Illustrator and QuarkXPress. Students will complete several portfolio projects useful for job applications in communications, marketing, management, and training. No prerequisites (PWR 225 is NOT a prerequisite for PWR 226).

PWR 240 Writing for Media (3 crs)
Survey of fundamentals necessary for writing in various media including print and broadcast journalism, public relations, advertising and multimedia authoring. This course is designed to help students interested in communication and wanting to explore the wide range of opportunities available to professional writers. Writing intensive. Prerequisite: 2.0 or higher in ENG 105/110 or permission of instructor.

PWR 245 Writing for Advertising (3 crs)
Study and practice in advertising as a critical element of an organization’s total marketing plan. Emphasis on developing consumer profiles, positioning strategies and creative work plans for advertisers as well as conducting proper research and creating effective visual designs and ad copy. Students document and produce ads for print, broadcast, outdoor and other media and also complete an advertising campaign for their portfolio. Writing intensive. Prerequisite: 2.0 or higher in ENG 105/110 and PWR 240 or permission of instructor. Students are strongly encouraged to either have taken or be concurrently enrolled in PWR 226. In addition, MKT 211 and/or MKT 316 are encouraged.

Finance
FIN 150 Personal Financial Planning (3 crs)
This course looks at budgeting and making sound financial decisions when buying homes, investments, insurance, etc.

FIN 211 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 121, ACC 124.

FIN 215 Financial Reporting and Analysis for Management (3 crs)
Presentation of a survey treatment of the analysis of financial statements as an aid to decision-making. Prerequisite: ACC 124.

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.

Organizational Leadership and Development
HRE 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.

HRE 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.

HRE 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 creative thinking, writing, revising, and editing. Students will also prepare for the writing of the Applied Research Project.

HRE 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.
HRE 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 resolving conflict.

HRE 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.

HRE 408 Principles 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.

HRE 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.

HRE 410 Religion and Belief (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.

HRE 411 and 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.”

HRE 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.

HRE 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.

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 121 Analytical Methods and Statistics for Business (3 crs)
This is a course designed to strengthen the student’s background in basic mathematical and statistical concepts as applied to the solving of business problems. The course begins with a brief review of algebra and a non-technical discussion of the basic application of differential and integral calculus in managerial decision-making. The course primarily serves to acquaint the student with the use of math and statistics in practical business situations. Includes the interpretation of statistical data as presented in the computer output of statistical computer packages. MAT 106 is an acceptable alternative to MGT 121. Prerequisite: MAT 105.

MGT 122 Business Calculus (3 crs)
A survey of the basic techniques of differential and integral calculus including polynomial, logarithmic, and exponential functions. Applications to finance and economics. Cross listed with MBA 495. Does not satisfy the core requirement in mathematics.

MGT 211 Principles of Management (3 crs)
An introductory study of planning, organizing, leading, motivating, and controlling in a modern business.

MGT 226 (PSY 226) Organizational Behavior (3 crs)
A survey course that examines individual and group behavior in an organizational context. The underlying thesis of this course is that an increased understanding of the human system can result in an organization that is more effective at meeting both the organization’s objectives and the goals and needs of the individual employees. Major topics include: motivation, leadership, decision-making, and organizational change. (Replaces MGT 216)

MGT 240 Organizational Theory (3 crs)
A basic undergraduate course designed to familiarize the student with the complexities of organizations, their internal functioning, and relationships to the external environment. Topics include: systems theory, organizational design, change, innovation, and effectiveness; the impact of technology, size, and environment on the organization; and organizational climate. Prerequisite: MGT 211.
MGT 311 International Business (3 crs)
This course treats various aspects of international business, with particular emphasis on the role of the multinational company, whether headquartered in the United States or in another country. After considering the international financial and trade frameworks, the student explores the functional areas of the multinational company: finance, production, marketing, and personnel. Examined will be the various economic, political, and social forces that shape corporate strategies and objectives in the international marketplace. Prerequisites: ACC 123 and ECO 110 or permission from instructor.

MGT 312 (PSY 312) Industrial Psychology (3 crs)
A survey of the field of industrial/organizational psychology with particular emphasis on the classical industrial psychology domain of selection. The course, as in the case with the field of industrial/organizational psychology, is somewhat quantitative. Prerequisite: MAT 105.

MGT 313 Information Systems (3 crs)
Systems theory is a theme throughout this course. The Computer Based Information System (CBIS) elements of data processing, management information systems, decision support systems and office automation are studied. Case studies and projects are an integral part of the course. Also, students learn DBase IV, a data base management system, through hands-on experience. Prerequisites: MGT 211, ACC 124 and MGT 121.

MGT 314 Operations Management (3 crs)
A study of the design, operation, and control of the operations function of the modern firm. A conceptual framework for understanding the operations environment will be provided. Topics include: production design, job design and measurement, production scheduling, inventories, quality management, JIT, MRP and capacity planning. Prerequisite: MGT 319.

MGT 315 Conceptual Foundations of Business (3 crs)
This course embraces the major ideas and institutions that make up an important part of the environment within which business transactions take place. The ideas are those philosophical concepts which have helped to shape business and society. The institutions include not only business institutions but also those legal and political institutions which have a major bearing on business.

MGT 316 Business and Society (3 crs)
This course provides students with a systematic treatment of the role of business in American society. Areas covered will include the historical evolution of business and government relationships, the managerial role in formulating policies and practices having social consequences, the role of corporate social units, the quality of work life, corporate ethics and selected current issues.

MGT 318 Labor Relations (3 crs)
A study of unionism, collective bargaining, public policies towards unions, and the settlement of labor disputes. Prerequisite: MGT 211.

MGT 319 Management Science (3 crs)
A survey of the quantitative techniques used in the modern business organization. A number of deterministic and probabilistic models will be introduced with an emphasis on their application to relevant business problems. Prerequisites: MAT 105 and either MAT 106 or MGT 121.

MGT 320 Small Business Management and Entrepreneurship (3 crs)
A study of all the specifics involved in investigating, planning, organizing, and operating a new business venture. Prerequisites: ACC 123, MGT 211.

MGT 326 Human Resource Management (3 crs)
A study of the procurement, training, maintaining, and utilization of a labor force so that individual and group goals harmonize. Prerequisite: MGT 211.

MGT 331 Organizational Communications (3 crs)
Successful communication is frequently a causal factor in organizational effectiveness. This case-oriented course examines the fragile nature of the communication process. Specific errors are identified and corrections are suggested.

MKT 311 Principles of Marketing (3 crs)
An examination of the fundamental concepts of marketing activities. Takes a managerial perspective to introduce product, price, place and promotion elements of the marketing mix. Prerequisite: Sophomore standing.

MKT 312 Retail Management (3 crs)
Discusses principles and practices of retail management such as location layout, merchandising, inventory, store organization and security. Prerequisite: MKT 211.

MKT 313 Advertising Management (3 crs)
A study of the managerial and creative aspects of advertising including media planning, development of the creative platform, advertising research, and communication effects. Prerequisite: MKT 211.

MKT 314 Sales Management (3 crs)
A study of the nature of personal selling and its function within the marketing organization. Focuses on: organization of the sales department; building, directing and assessing the sales force; and the selling process itself. Prerequisite: MKT 211.

MKT 315 International Marketing (3 crs)
Introduces the formation of marketing strategy within the context of international business. Includes the study of international institutions and agreements that affect worldwide economic activity and an analysis of the economic, cultural, political and legal environments of international marketing. Special attention is given to the area of export management. Prerequisite: MKT 211.

MKT 316 Consumer Behavior (3 crs)
Designed to integrate theories of consumer behavior that impact upon an organization’s marketing activities. Explores individual and group behavior factors. Prerequisites: PSY 110, MKT 211.
MKT 317 Services Marketing (3 crs)
Over half of the GNP in the U.S. comes from service related businesses. Nonprofit organizations (schools, hospitals, churches, etc.) view marketing as an increasingly important function. This course applies marketing principles and techniques to the unique needs of these organizations. Prerequisite: MKT 211.

MKT 320 Marketing Management Strategies (3 crs)
The study of essential aspects of effective marketing strategy formulation and implementation. An appreciation of the complexity of managerial decision-making will be stressed. Emphasis will be on case studies to more fully demonstrate segmentation, targeting, positioning and other marketing mix strategies. Prerequisite: MKT 211.

MKT 410 Marketing Research (3 crs)
The methods and techniques of securing, analyzing, and interpreting data for effective managerial decision-making will be explored. Focuses on the conceptual design of marketing research studies and the interpretation of data. Prerequisites: MKT 211, MGT 319.

MKT 412 Marketing Problems (3 crs)
This course is designed as a “capstone” in which all prior marketing course work is to be applied in the resolution of contemporary marketing problems. Course makes maximum use of the case study method and formal class presentations. Prerequisite: Senior standing.

MKT 499 Marketing and Electronic Commerce (3 crs)
In this course, students will learn the application of marketing mix (i.e. product, price, distribution and promotion) decisions to electronic commerce. Students will also gain an insight in consumer behavior regarding the use of electronic commerce in purchase decisions. Prerequisites: MKT 211.

Mathematics

DEVELOPMENTAL MATHEMATICS:
These courses are preparatory and will not satisfy the University’s core curriculum requirement in mathematics. They are offered as parallel semester courses each academic year so that students with deficient background in mathematics will be prepared to successfully complete the core requirement in mathematics. Students with weaker backgrounds in mathematics should take MAT 090, while students with fewer deficiencies should take MAT 092. The algebra background in either of these courses is a prerequisite for every other course in mathematics or computer science. Students cannot take both of these courses for credit since MAT 090 includes the content of MAT 092.

MAT 090 Developmental Mathematics I (4 crs)
A brief review of arithmetic operations including decimal and exponents, a review of elementary and intermediate algebra including first order equations and inequalities, radicals and exponents, polynomials, quadratic equations, rational expressions, fractional equations, and linear systems of equations. A minimum of one hour per week lab session is also required for this course.

MAT 092 Developmental Mathematics II (2 crs)
A study of intermediate algebra including polynomials and their factoring, quadratic equations, rational expressions, fractional equations, linear and nonlinear systems of equations, inequalities and the binomial theorem.

MAT 102 Mathematics in Society (3 crs)
This course is designed to meet the needs of students who do not have a specific course needed for support of their major. The fundamental properties of numbers, geometry and statistics are covered through the collection of modern and useful applications of mathematics. The course contains a collection of topics of modern society: Social Choice, Management Science, Growth and Symmetry and Statistics. Prerequisite: Qualifying exam or a passing grade in MAT 090 or 092.

MAT 105 Introduction to Statistics I (3 crs)
Descriptive statistics including measures of central tendency and variability, graphic representation, probability, the binomial, normal, and T distributions, hypothesis testing and linear regression. Prerequisite: Qualifying exam or a passing grade in MAT 090 or 092.

MAT 108 Pre-Calculus (3 crs)
A thorough preparation for calculus with analytic geometry, including conic sections, and the transcendental functions: logarithmic, exponential and trigonometric functions. Prerequisite: Qualifying exam or a passing grade in MAT 090 or 092.

MAT 111 Calculus I (4 crs)
A theoretical introduction to differential calculus including limits, continuity, the basic rule for derivatives and applications including optimization problems. A brief introduction to integration leading to the Fundamental Theorem of Calculus completes this course. Prerequisite: MAT 108 or equivalent.

Nursing

**NUR 226 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 227 Clinical Nutrition (1 cr)
Study of the principles of nutrition as it relates to the nurse’s role in monitoring the client’s status and promoting health. Prerequisite: NUR 361 and science challenges.

**NUR 229 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 230 Basic Care (3 crs)
A study and practice of basic patient care. 1 credit clinical included. Prerequisite: NUR 361 and science challenges.

**NUR 235 Sophomore Seminar (1 cr)
Selected topics in the art and science of nursing. Prerequisite: NUR 361 and science challenges.

NUR 280-284 Challenge Exams

**NUR 305 Health Assessment (1 cr)
Focuses on health and physical assessment throughout the life span. Includes the basic skills which support health promotion. Prerequisite: NUR 361 and science challenges.
**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 320 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 3-- 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 325 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 326 Psychopathology (2 crs)**
Major emphasis placed on pathology of emotional health problems. 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 425 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 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 425.

**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. Prerequisite: 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.

** 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 220 Reason and Faith (3 crs)**
This course is intended to introduce students to philosophy and theology through a guided exploration of selected topics of philosophical and theological interest. With the help of web resources, including the Internet Encyclopedia of Philosophy, students will become familiar with several terms and concepts used in philosophical and theological discourse and will have ample opportunity to employ them in on-line discussions of various important issues.

**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.

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, it’s 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.

**SSC 327 Research Methods (3 crs)**
A multi-faceted approach to problems of research design, data collection, data analysis. The course is intended to provide majors in social science fields an opportunity to explore and develop a topic for the senior thesis. It is, however, open to students in all fields who seek a fundamental introduction to doing research. Prerequisites: junior standing, MAT 105.

**SSC 415 Statistical Analysis (3 crs each)**
A study of the different techniques used in the social sciences to analyze, interpret, and evaluate data. The course is intended to provide students conducting a senior thesis, in social science, the necessary skills to organize and summarize their data using descriptive and inferential statistics. Prerequisites: senior standing, MAT 105, SSC 327.

**SSC 488-489 Senior Thesis and Seminar (3 crs each)**
Students prepare a major research paper. They then participate in an integrative seminar designed to enable them to identify significant issues which arise in the serious study of society, and to relate their personal philosophies and Judeo-Christian perspectives to alternative courses of action. The seminar also includes a comprehensive oral examination which each student must pass in order to graduate.