

Course Descriptions

UNDERGRADUATE

Aerospace Science (AS)

Biology (BIO)

Business Administration (BUS)

Chemistry (CEM)

Computer Science (CS)

Criminal Justice (CJ)

Economics (ECO)

Education (ED)

English (ENG)

Financial Planning (FP)

Geography (GEO)

Health/Wellness (HWL)

History (HST)

Insurance and Risk Management (IRM)

Interdisciplinary Studies (IDS)

Journalism and Mass Communication (JMC)

Mathematics (MTH)

Music (MUS)

Philosophy (PHL)

Physical Education (PE)

Physics (PHA)

Political Science (POS)

Psychology (PSY)

Recreation (REC)

Religious Studies and Ethics (REL)

Science (SCI)

Social Studies (SS)

Sociology and Anthropology (SA)

Theatre/Speech (THR)

Visual Arts (ART)

Women's and Gender Studies (WGS)

World Languages (WRL)

GRADUATE

Master of Arts in Teaching (ED)

Master of Business Administration in Insurance (MBA)

Aerospace Science

Interdisciplinary Studies Department

AS 111 Foundations of the United States Air Force I

Fall Semester. 1 semester hour.

Introduction to the United States Air Force. Mission and organization; group leadership problems; introduction to communications skills, leadership laboratory.

AS 112 Foundations of the United States Air Force II

Spring Semester. 1 semester hour.

Introduction to the United States Air Force. Mission and organization; group leadership problems; introduction to communications skills, leadership laboratory.

AS 211 Evolution of the USAF and Space Power I

Fall Semester. 3 semester hours.

Air Force heritage is explored. Evolution of air power concepts and doctrine, introduction to ethics and values, introduction to leadership; continuing application of communication skills, leadership laboratory.

AS 212 Evolution of the USAF and Space Power II

Spring Semester. 3 semester hours.

Air Force heritage is explored. Evolution of air power concepts and doctrine, introduction to ethics and values, introduction to leadership; continuing application of communication skills, leadership laboratory.

AS 321 Air Force Leadership Studies I

Fall Semester. 3 semester hours.

Communication, management and ethical skills for Air Force officers. Emphasizes standards and professionalism in the modern officer core, leadership laboratory.

AS 322 Air Force Leadership Studies II

Spring Semester. 3 semester hours.

Leadership theory, traditional Air Force management functions and current practices. Emphasizes the application of leadership concepts by junior officers, leadership laboratory.

AS 421 National Security Affairs

Fall Semester. 3 semester hours.

Formation and implementation of defense policy and strategy. Bureaucratic interplay and impact of nuclear technology. Investigation of current defense issues, leadership laboratory.

AS 422 National Security Affairs and Preparation for Active Duty

Spring Semester. 3 semester hours.

Role of the professional officer in a democratic society. Global security issues. Military justice and the laws of war, leadership laboratory.

AS 490 Independent Study

Summer Semester. 1-3 semester hours.

Independent reading and research on special topics.

Biology

Natural and Physical Sciences Department

BIO 105 Human Biology

Spring and Fall Semesters. 3 semester hours.

Satisfies Natural World requirement.

An introduction to the biology of the human body. Topics include overviews of the circulatory, digestive, respiratory, nervous, reproductive, excretory and musculoskeletal systems. Hands-on laboratory activities give practical experience in understanding how the human body functions.

BIO 111 Principles of Biology - Molecules to Cells

Fall Semester. 3 semester hours.

Satisfies Natural World requirement.

Life at the cellular level. Biological molecules, major cell structures and their functions, bacteria and viruses and their role in human health issues, disease, genetics and reproduction. Laboratory investigations provide hands-on experience in basic cell biology.

BIO 112 Principles of Biology - Organisms to Ecosystems

Spring Semester. 3 semester hours.

Satisfies Natural World requirement.

Life at the organismal and population levels. Classical and population genetics, evolution, biological diversity and ecological principles. Human impact on other organisms and the environment. Laboratory investigations provide hands-on experience in basic organismal biology.

BIO 150 Introductory Zoology

Spring Semester, even years. 4 semester hours.

Prerequisites: SCI 102, BIO 111 or BIO 112.

Basic zoological principles as illustrated by selected representatives of the animal kingdom. Topics include a survey of animal types with reference to taxonomy, morphology, ecological relationships and evolution. Laboratory exercises provide hands-on experience.

BIO 160 Introductory Botany

Fall Semester, even years. 4 semester hours.

Prerequisites: SCI 102, BIO 111 or BIO 112.

Principles of plant biology. Functional significance of plant tissues and structures, life cycles, evolutionary patterns and photosynthesis. The aesthetic, economic and environmental significance of plants are discussed. Laboratory exercises provide hands-on experience.

BIO 202 Comparative Vertebrate Biology

Spring Semester, odd years. 3 semester hours.

Prerequisites: BIO 150 or instructor permission.

Chordate types with emphasis on the structure of vertebrate animals and the evolution of vertebrate systems. Laboratory includes comparative dissections.

BIO 207 Microbiology

Spring Semester. 3 semester hours.

Prerequisites: SCI 102, BIO 111 or BIO 112.

Microbial life, including bacteria, fungi, protists, and viruses. Basic structure and function, antimicrobial drugs, and the roles of microbes in ecology and disease. Includes laboratory exercises in handling and culturing microbes, and in microbial activity.

BIO 208 General Ecology

Fall Semester. 3 semester hours.

Interactions of living things with each other and their environment. Biogeochemical cycles, food webs, predator-prey relationships, competition, population growth, succession and human impact on natural ecosystems.

BIO 209 Ecology for Pre-Service Teachers

As announced. 3 semester hours.

Ecological concepts for pre-service teachers. Includes ecosystems, energy flow, evolution, population dynamics, community ecology, and human impacts on the environment. Content reflects National and Michigan Science Standards.

BIO 210 Entomology

As announced. 3 semester hours.

Prerequisites: SCI 102, BIO 112 or instructor permission.

Morphology, ecology and diversity of insects. Insect evolution, behavior, metamorphosis and biological relationships to the environment are covered. Special attention is given to the importance of insects to humans.

BIO 211 Anatomy and Physiology I

Fall Semester. 3 semester hours.

Prerequisites: BIO 111, SCI 102 or equivalent.

A study of the anatomy and physiology of the human body. Topics include the integumentary, skeletal, muscular and nervous systems.

BIO 212 Anatomy and Physiology II

Spring Semester. 3 semester hours.

Prerequisites: BIO 211 with C or higher.

A continuation of the study of the anatomy and physiology of the human body. Topics include the cardiovascular, respiratory, urinary, digestive, endocrine and reproductive systems.

BIO 216 Ornithology

Fall Semester, even years. 3 semester hours.

Avian life, including field identification, behavior, flight, reproduction and ecological importance of birds. Course includes extensive observation of birds in the field.

BIO 305 Ethology

Intensive Learning Term, odd years. 3 semester hours.

Animal behavior, in wild and domestic species. Territoriality, learning, courtship and sexual behavior, play and sociobiology. Includes observation of behavior in the field.

BIO 311 Pathophysiology

Spring Semester, even years. 3 semester hours.

Prerequisites: BIO 212 or instructor permission.

General principles of mammalian disease with emphasis on human illness. Basic mechanisms of disease, immunity, healing, cancer, metabolic disorders and pharmacology. Common diseases of each of the major organ systems are discussed, including cause, effects and general approach to treatment.

BIO 312 Parasitology

Fall Semester, even years. 3 semester hours.

Prerequisites: BIO 111 or BIO 112; BIO 150 or BIO 311 recommended.

A survey of animal parasites with emphasis placed on life histories, pathological effects, control measures and social and economic implications associated with parasites of vertebrate animals. Special attention is given to parasites of humans.

BIO 313 Plant Ecology

Fall Semester, odd years. 3 semester hours.

Prerequisites: BIO 112, BIO 208 or SCI 102.

Ecological adaptations and characteristics of plants, plant and animal interrelationships, endangered plants, toxic and medicinal plants, and non-native plants. Course includes extensive study of plants in the field.

BIO 345 Introduction to Neuroscience

Fall Semester, odd years. 3 semester hours.

Cross listed with PSY 345.

Prerequisites: PSY 110, BIO 111 or instructor permission.

An introduction to the biology of the nervous system and behavior, including nervous system functions and disorders, environmental impacts and genetic development. Topics include nerve transmission, impacts of body cycles on behaviors, psychopharmacology, abnormalities of development, major psychological problems and links between humans and our animal "roots."

BIO 401 Cell Biology

Fall Semester. 3 semester hours.

Prerequisites: BIO 111, CEM 152 and junior standing.

Major topics in cell and molecular biology with an emphasis of biomolecular features and their physical and functional position within cells. Membrane dynamics, transporters, exo and endocytic pathways, and signal transduction are major themes. The course includes independent research, writing and presentation of an aspect of cell biology.

BIO 402 Ecosystem Ecology

Intensive Learning Term, even years. 3 semester hours.

Prerequisites: BIO 208 or instructor permission.

An examination of the characteristics, flora and fauna of the major ecosystems of the world, including forest, wetland, desert, grassland, dune, tundra, reef and cave. The course includes discussion of human impact on these habitats as well as study of habitats in the field.

BIO 403 Environmental Health and Toxicology

Spring Semester, odd years. 3 semester hours.

Prerequisites: BIO 111 and BIO 112, SCI 107 or instructor permission.

The interrelationship of environmental damage to the health of humans and other organisms. Topics include an introduction to the principles of toxicology and environmental epidemiology, and sources and medical effects of pollutants, climate change and toxic waste.

BIO 404 Genetics

Spring Semester. 3 semester hours.

Prerequisites: BIO 111 and junior standing.

The major disciplines of genetics: molecular, Mendelian (classical) and population genetics. Topics include: gene theory, linkage, inheritance patterns, mutations and cancer, natural and artificial selection, genetic engineering and genetic disorders.

BIO 406 Biostatistics

Fall Semester. 3 semester hours.

Satisfies Mathematics Proficiency and Senior Experience requirements.

Prerequisites: MTH 109 or equivalent, 12 semester hours of biology or other science, and junior standing.

An introduction to the use of statistics for decision making in the biological sciences. Application of basic methods of descriptive and inferential statistics, formulation and testing of hypotheses, and experimental design are explored. Statistics software is used.

BIO 415 Research in Biology

Fall and Spring Semesters, by request. 1-3 semester hours.

Prerequisites: instructor permission.

Special investigations of specific biological problems.

BIO 418 Independent Study

Fall and Spring Semesters, by request. 1-3 semester hours.

Prerequisites: instructor permission and approval of course outline by the Academic Performance Committee.

Independent reading and research of special topics in biology including field experiences and internships.

BIO 431 Molecular Biology Techniques

Spring Semester. 3 semester hours.

Prerequisites: CEM 332.

An introduction to techniques of modern molecular biology, with an emphasis on DNA manipulation. Includes work with restriction enzymes, plasmids and electrophoresis.

Business Administration

Business Administration Department

BUS 200 Introduction to Business

Fall and Spring Semester. 3 semester hours.

Introduction to Business is an examination of the major functional areas of business administration including management, marketing, human resources, finance and accounting. Introduction to Business is designed for non-business administration majors.

BUS 201 Principles of Accounting I

Fall and Spring Semesters. 3 semester hours.

This is the introductory course in accounting with an emphasis on financial reporting for external users of financial statements. The course includes an examination of the recording of business transactions and the measurement of business income, assets, liabilities and equities.

BUS 202 Principles of Accounting II

Fall and Spring Semesters. 3 semester hours.

Prerequisites: BUS 201.

This course is an introduction to management accounting and the use of decision-making tools needed by managers in an organization. The course focuses on financial analysis, manufacturing cost flows, budgeting, and planning for long-term financing and investing activities.

BUS 212 Business Law I

Fall Semester. 3 semester hours.

Business Law I provides an introduction to the law and legal system in the U.S., as well as a thorough examination of the law of contracts and sales. The course includes the study of sales, contracts, bailment and Article II of the Uniform Commercial Code. Also included is the law of negotiable instruments, secured transactions and bankruptcy.

BUS 213 Business Law II

Spring Semester. 3 semester hours.

Prerequisites: BUS 212.

Business Law II examines the law of business associations to include agency, partnerships, limited partnership, joint ventures and corporations including an overview of antitrust law and securities regulation. Business Law II includes law of human resources.

BUS 215 Personal Finance

Fall Semester. 3 semester hours.

Personal Finance introduces the knowledge and techniques associated with major financial planning problems encountered by individuals and families such as savings and investments, insurance, taxes, budgeting and major purchases, retirement and estate planning.

BUS 295 Financial Statement Analysis

Fall Semester. 3 semester hours.

Prerequisites: BUS 202, ECO 202.

Financial Statement Analysis is a study of the corporate financial statements. The study focuses on three major parts; (1) practical computer generated problems that analyze the financial statements mathematically, (2) an in-depth study of the meaning of the data that is included in the financial statements, and (3) a study of data that might not be included in the financial statements. The objective entails the student being able to read in-between the lines and separate meaningful data from the corporate fluff that is commonly included in a corporate annual report.

BUS 300 Principles of Management

Fall and Spring Semesters. 3 semester hours.

Prerequisites: sophomore standing.

Management consists of an analysis of business activities designed to manage an organization to efficiently serve employees, customers and the community. Topics studied include planning, organizing, leading and controlling; the business environment, business institutions, government regulations, organizational structure, human resources and human behavior within the framework of the needs of a diverse world.

BUS 301 Intermediate Financial Accounting I

Fall Semester. 3 semester hours.

Prerequisites: BUS 202.

This course is designed to provide an in depth examination of the theory underlying the accumulation of accounting data. It includes a review of Generally Accepted Accounting Principles (GAAP), factors affecting the measurement and recognition of revenue, accounting for receivables, inventory, plant assets, intangibles and investments.

BUS 302 Intermediate Financial Accounting II

Spring Semester. 3 semester hours.

Prerequisites: BUS 301.

This course is a continuation of BUS 301. Accounting principles and reporting requirements for long-term liabilities such as bonds, leases and pensions are studied. Other topics include taxes, owners' equity, earnings per share calculations, comprehensive income and the treatment of accounting changes and errors.

BUS 304 Cost Accounting

Fall Semester. 3 semester hours.

Prerequisites: BUS 202.

An intermediate managerial course focusing on the use of accounting data to plan and control operations and allocate resources. In addition, a framework for measuring managerial performance will be developed by analyzing cost-volume-profit relationships, budgeting, standard cost analysis and profit analysis.

BUS 305 Accounting Information Systems

Fall Semester. 3 semester hours.

Prerequisites: BUS 302.

This is an introductory course in accounting information systems. It includes issues such as transaction processing cycles, the use and effects of computers and other relevant technology on accounting, database and file systems, internal accounting and administrative controls, and information technology audits. The course emphasizes use of common business software, which may include spreadsheets, flowcharting software, communications, general ledger and database management systems.

BUS 309 Principles of Marketing

Fall and Spring Semesters. 3 semester hours.

Prerequisites: sophomore standing.

Principles of Marketing is an introduction to the basic functions of marketing. The course includes topics such as consumer behavior, marketing research, marketing planning, physical distribution, selling, promotion, retailing, pricing, wholesaling, purchasing and e-commerce.

BUS 311 Advertising

Spring Semester. 3 semester hours.

Prerequisites: BUS 309.

A comprehensive survey of basic principles and practices of advertising. Topics include: planning and advertising campaigns, creating advertisements and developing media plans.

BUS 312 Sales and Sales Management

Fall Semester. 3 semester hours.

Prerequisites: BUS 309.

The sales and sales management process as it pertains to the marketing environment. Topics addressed are: the sales process, the steps in the sales process, the internal and external sales environment, recruitment and selection

of sales persons, motivation, territory and quota management and design, sales forecasting, compensation, and appraisals. Includes case and group work.

BUS 315 Financial Markets and Institutions

Spring Semester. 3 semester hours.

Prerequisites: BUS 202 and ECO 202.

Introduces financial markets and institutions, including a brief review of the financial system of the United States, emphasizes institutions, instruments and procedures for meeting the demand for funds by business (both short and long term), consumers, federal, state and local governments, considers international finance.

BUS 316 Financial Management I

Fall Semester. 3 semester hours.

Prerequisites: BUS 202 and ECO 202.

Financial Management I includes the study of the environment, goals and techniques of financial management; emphasizes both investment and financing decisions and incorporates control techniques important to the economic health of business firms, and hence to the nation and the world. Topics include; the financial manager, the financial environment, accounting and finance, time value of money, valuing bonds, valuing stocks, net present value, discounted cash flow and project analysis.

BUS 317 Financial Management II

Spring Semester. 3 semester hours.

Prerequisites: BUS 316.

A continuation of Financial Management I, with emphasis on risk returns, bond and stock evaluation models; financial markets; institutions and interest rates, risk analysis in capital budgeting; a more in-depth look at the use of preferred stock, long term debt and leasing; the investment banking process; dividend policy; stock splits and repurchases, mergers, divestitures, holding companies and LBO.

BUS 321 Public Relations

Fall Semester. 3 semester hours.

Prerequisites: BUS 309.

This course is an overview of the functions, practices and growing application of public relations in private industry and the public sector. Emphasis is placed on planning, writing and management functions, working with the media and developing effective public relations strategies. At the end of this course, students should be capable of performing the following public relations activities: analyzing public relations problems and opportunities, understanding and developing concise and targeted public relations messages, and understanding the terminology and theoretical concepts associated with public relations.

BUS 340 Global Marketing Perspectives

Intensive Learning Term. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisite: BUS 309.

Marketing Perspectives is a hands-on class that will explore various aspects of marketing including retailing, e-commerce, personal selling and institutional marketing. The Marketing Perspectives class may include a trip so the students can experience different marketing activities firsthand. Please contact the instructor the year before to get information about the trip, its cost and possible fund-raising opportunities. This course can be repeated.

BUS 399 Business Service Learning

Spring Semester. 3 semester hours.

The class integrates classroom learning with community service. Student achievement is assessed on related projects as an integral part of the curriculum. Service learning provides community applications for essential business education standards. The activities will help students learn about organizing and carrying out an event and help them develop valuable leadership skills through volunteering and/or event planning. The students will determine the event/project during the semester. Possible service projects include: event for the American Cancer Society, March of Dimes or Fountain Clinic.

BUS 405 Production/Operations Management

Spring Semester. 3 semester hours.

Prerequisites: BUS 300.

Examines the concepts, principles and techniques of production and operations management, and focuses on capacity, location, process, product, materials purchasing and scheduling of resources with an integrated systems approach that includes CIM (Computer Integrated Management), JIT (Just In Time) and MRP (Manufacturing Resource Planning).

BUS 406 Human Resources

Fall Semester. 3 semester hours.

Prerequisites: BUS 300.

This interactive course is a study in human resources. The overlying theme is that humans can be the greatest resource in any venture. This course will demonstrate that the success of a venture is directly related to its human resources.

BUS 407 Marketing Research

Spring Semester. 3 semester hours.

Prerequisites: BUS 309 and MTH 232.

The Marketing Research class includes methods for designing market research studies, methods of collecting data, problem formulation, sampling methods and techniques, data analysis and research reporting.

BUS 408 Organizational Behavior

Fall Semester. 3 semester hours.

Prerequisites: BUS 300.

Organizational Behavior includes a study of individual and group behavior in organizational settings and the processes and skills essential for the success of individuals as members of organizations. Also includes a study of the objectives, functions and organization of personnel programs, with a focus on the diverse culture of the workplace.

BUS 409 Auditing

Spring Semester. 3 semester hours.

Prerequisites: BUS 305.

This course is a study of the auditing of business and non-business organizations including the roles, responsibilities, and regulation of auditors. It includes an examination of audit objectives/procedures, risk assessment, statistical sampling methods, evidence decisions, control evaluation, transaction cycle analysis, assurance and attestation services and types of audit reports. The ethical and legal responsibilities of auditors are also addressed.

BUS 411 Tax Accounting

As announced. 3 semester hours.

Prerequisites: BUS 302.

This course is an introductory-level study of taxation of individuals and other entities. The course focuses on concepts of income, deductions and credits that apply to all reporting entities, and emphasizes tax planning as well as tax compliance.

BUS 412 Small Business Development Seminar

Spring Semester. 3 semester hours.

Prerequisites: BUS 201, 202, 300, and 309.

This course examines, through the use of case studies, why some businesses are successful while others fail. Guest entrepreneurs will also be invited to speak, and their business ventures analyzed. The goal of this course is to take students through the actual process of initiating a business venture from the conceptualization phase to the preparation of a detailed business plan. Students are required to present the completed plans to the class.

BUS 418 Independent Study

As announced. 1-3 semester hours.

Prerequisites: instructor permission and approval of course outline by Academic Performance Committee.

Independent reading and research on special topics.

BUS 484 International Marketing

Spring Semester. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: BUS 309.

Focuses on the international marketer's sphere of operations, dwelling particularly on the uncontrollable environment variables in foreign markets and how they affect the task of international marketing management.

Emphasis is placed on how the execution of product strategy, promotion strategy and distribution strategy is different from one country to another.

BUS 490 Business Policy and Strategic Management

Fall and Spring Semesters. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: BUS 202, 300, 309, 316, ECO 202 and senior standing.

Business Policy and Strategic Management is a capstone course in solving the problems of advanced general management. The course develops the concepts and techniques of strategic management as well as providing an analytical approach in understanding and dealing with actual business world situations.

Chemistry

Natural and Physical Science Department

CEM 111 Introduction to Chemical Principles

Fall Semester. 3 semester hours.

Satisfies Natural World requirement.

Corequisite: CEM 113.

A study of major themes in chemistry including atomic structure, chemical compounds, stoichiometry, acids and bases, gas laws, equilibrium and chemical reactions. Students investigate the major themes of chemistry as they relate to culture and society.

This course is a single semester survey of chemistry and is designed for students who seek experience in the chemical sciences. In addition to the more traditional inorganic approach (compounds without carbon), we will also be addressing general themes and concepts in organic and biochemistry. This course will be a mixture of lecture and in-class problem solving.

CEM 113 Introduction to Chemical Principles Laboratory

Fall Semester. 1 semester hour.

Corequisite: CEM 111.

This is the companion laboratory course to Introduction to Chemical Principles and reinforces concepts studied in lecture. Basic laboratory skills are developed with analysis and interpretation of laboratory experiments emphasized through writing.

CEM 151 General Chemistry I

Fall Semester. 3 semester hours.

Satisfies Natural World requirement.

Corequisite: CEM 153.

Prerequisite: C or higher in MTH 109, placement into MTH 150, or completion of two years of high school algebra.

Students examine the principles of chemistry beginning with the nomenclature, the chemical mole,

stoichiometry, reactions and thermochemistry. Students will also study introductory quantum mechanical models of the atom and Lewis structures. In addition to developing problem solving skills in the lecture, the companion laboratory reinforces concepts studied in lecture, and emphasizes the analysis and interpretation of laboratory experiments through writing.

CEM 152 General Chemistry II

Spring Semester. 3 semester hours.

Satisfies Natural World requirement.

Corequisite: CEM 154.

Prerequisites: C or higher in CEM 151 and CEM 153.

Building on content studied in CEM 151, the course will be a mixture of lecture, independent and group learning activities with an emphasis on problem solving and practice of problem solving skills covering the critical concepts of molecular structure of compounds, molecular forces, equilibria, acid and bases chemistry, solubility and a primer to organic chemistry. This course is more difficult than the first, and even students with a strong high school background in chemistry will largely be unfamiliar with the depth of these topics. The laboratory emphasizes investigations which reinforce concepts studied in lecture, with an emphasis on scientific writing strategies and data analysis.

CEM 153 General Chemistry I Laboratory

Fall Semester. 1 semester hour.

Corequisite: CEM 151.

This is the companion laboratory course to General Chemistry I and reinforces concepts studied in lecture. Basic laboratory skills are developed with analysis and interpretation of laboratory experiments emphasized through writing.

CEM 154 General Chemistry II Laboratory

Spring Semester. 1 semester hour.

Corequisite: CEM 152.

Prerequisites: C or higher in CEM 151 and CEM 153.

This is the companion laboratory course to General Chemistry II and reinforces concepts studied in lecture. Laboratory skills are further developed with analysis and interpretation of laboratory experiments emphasized through writing.

CEM 211 Introduction to Organic Biochemistry

Spring Semester. 3 semester hours.

Corequisite: CEM 213.

Prerequisites: CEM 111 and CEM 151.

A study of major themes in organic chemistry and biochemistry including nomenclature, structure and reactions of various classes of organic molecules, a survey of bioorganic molecules and an introductory look at metabolic pathways. Students investigate the major themes of organic chemistry and biochemistry as they relate to allied health.

CEM 213 Introduction to Organic Biochemistry Laboratory

Spring Semester. 1 semester hour.

Corequisite: CEM 211.

This is the companion laboratory course to Introduction to Organic and Biochemistry and reinforces concepts studied in the classroom. Basic laboratory skills are developed with analysis and interpretation of laboratory experiments emphasized through writing.

CEM 221 Analytical Chemistry

Fall Semester, odd years. 3 semester hours.

Corequisite: CEM 223.

Prerequisites: C or higher in CEM 152 and CEM 154.

Methods of expressing and determining concentration and composition information about chemical systems. The importance of chemical equilibria in governing the composition of chemical systems is emphasized. Topics include general equilibria, acid-base equilibria, solubility, reduction-oxidation and electrochemistry.

CEM 223 Analytical Chemistry Laboratory

Fall Semester, odd years. 2 semester hours.

Corequisite: CEM 221.

Prerequisites: C or higher in CEM 152 and CEM 154.

This is the companion laboratory course to Analytical Chemistry and emphasizes the collection, analysis and interpretation of quantitative data, using traditional titration and gravimetric techniques.

CEM 231 Organic Chemistry I

Fall Semester. 3 semester hours.

Corequisite: CEM 233.

Prerequisites: C or higher in CEM 152 and CEM 154.

This course introduces the concepts, reactions and mechanisms of the chemistry of carbon. Major topics include nomenclature of saturated and unsaturated compounds, cyclic and acyclic compounds, stereochemistry, functional groups and equilibria.

CEM 232 Organic Chemistry II

Spring Semester. 3 semester hours.

Corequisite: CEM 234.

Prerequisites: C or higher in CEM 231 and CEM 233.

This course is the second half of a two semester sequence designed to introduce the concepts, reactions and mechanisms of the chemistry of carbon. Major topics include aromaticity, spectroscopy and reactions of alkenes, carbonyl compounds, and benzene rings.

CEM 233 Organic Chemistry I Laboratory

Fall Semester. 2 semester hours.

Corequisite: CEM 231

Prerequisites: C or higher in CEM 152 and CEM 154

This is the companion laboratory course to Organic Chemistry I and reinforces concepts studied in the

classroom. Basic laboratory skills are developed with analysis and interpretation of laboratory experiments emphasized through writing.

CEM 234 Organic Chemistry II Laboratory

Spring Semester. 2 semester hours.

Corequisite: CEM 232.

Prerequisites: C or higher in CEM 231 and CEM 233.

This is the companion laboratory course to Organic Chemistry I and reinforces concepts studied in the classroom. Laboratory skills are further developed with analysis and interpretation of laboratory experiments emphasized through writing.

CEM 301 Inorganic Chemistry

Spring Semester, odd years. 3 semester hours

Prerequisites: C or higher in CEM 152 and CEM 154.

Review of atomic structure, multi-electron atoms, the periodic table and periodicity, valence bond and molecular orbital approaches to bonding in inorganic molecules; acid-base chemistry; properties of the representative elements; coordination chemistry of the transition elements.

CEM 332 Biochemistry: Biomolecules and Metabolism

As announced. 3 semester hours.

Prerequisites: C or higher in CEM 231 and CEM 233.

This course offers a detailed examination of biomolecules with an emphasis on amino acids, protein chemistry and enzyme kinetics. Students also explore themes in proteomics through exercises which utilize protein imaging software and databases. Principles in protein chemistry then serve as a reference point for the detailed study of major metabolic pathways such as glycolysis, krebs cycle, ETS, photosynthesis and fatty acid metabolism.

CEM 333 Biochemistry: Molecular Genetics and Biosyntheses

As announced. 3 semester hours.

Prerequisites: C or higher in CEM 231 and CEM 233.

A continuation of the themes of metabolism, catabolism and protein chemistry as it relates to molecular genetics. Major themes include DNA and RNA structure and synthesis, protein synthesis, and functional aspects of genes and their regulation. Students will also examine fatty acid and carbohydrate biosynthetic pathways. Bioinformatics is a unifying principle in a student project centered on a specific genetic disease. Students will work exclusively from primary source materials and present a 10 minute talk and write a major paper on their topic.

NOTE: Biochemistry: Biomolecules and Metabolism, and Biochemistry: Molecular Genetics and Biosyntheses, are offered on a rotation basis. Consult with Natural and Physical Sciences Department faculty.

CEM 401 Physical Chemistry

Fall Semester, even years. 3 semester hours.

Prerequisites: C or higher in PHA 201, PHA 203 and MTH 151.

This course aims to provide an understanding of selected aspects of physical chemistry including the kinetic molecular theory of gases, classical thermodynamics and an introduction to chemical kinetics.

CEM 418 Independent Study in Chemistry

Fall and Spring Semesters, by request. 1-3 semester hours.

Prerequisites: instructor permission and approval of course outline by the Academic Performance Committee.

Independent reading and research of special topics.

CEM 420 Chemical Instrumentation

Spring Semester, even years. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: C or higher in CEM 221 and 222.

Theory and practice of modern quantitative chemical analysis. Statistics, electronics, electrochemistry, spectrophotometry, and chromatography are discussed. State of the art instrumentation is utilized in the laboratory. The course relies heavily on laboratory work and further development of writing skills.

CEM 431 Molecular Biology Techniques

Spring Semester. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: C or higher in CEM 332 or 333.

An introduction to the techniques used in modern molecular biology with an emphasis on DNA manipulation. Students explore the historical developments of molecular biology, restriction endonucleases and DNA electrophoresis. In addition, students work on techniques to create and characterize their own recombinant DNA molecule and investigate strategies in PCR and southern hybridization. The course relies heavily on laboratory work and further development of writing skills.

CEM 440 Topics in Chemistry

As announced. 1-3 semester hours.

Prerequisites: instructor permission.

Advanced specialized topics in chemistry and related areas. Topic titles may vary from semester to semester.

CEM 450 Independent Research in Chemistry

Fall and Spring Semesters, by request. 1-3 semester hours.

Prerequisites: departmental approval.

An independent research experience that includes preparation of a research proposal.

Computer Science

Math and Computer Science Department

CS 110 Computer Information Systems

Fall and Spring Semesters. 3 semester hours.

Introduction to computer information systems.

Literacy, hardware and software concepts, history, social and ethical issues, elementary systems software and applications software such as word processor, spreadsheet, database, communications and graphics packages. Does not count toward a major or minor in computer science.

CS 116 Web Design and Development

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience Requirement.

Students will learn basic HTML scripting, use of Web editors to create various styles of Web pages (single and multi-page sites, on-line forms, CSS, etc.), management of Web sites and use of animated Web programming. CS 116 does not count toward a major or minor in Computer Science.

CS 130 Principles of Computing

Fall Semester. 3 semester hours.

Prerequisites: MTH 109 or concurrent.

Students will learn to identify problems that programs can solve and to learn how to design programs that solve problems. Program design involves a series of smaller skills, including information design, logic design, testing, and documentation. Improved skills in these areas should help with general problem solving even outside the programming paradigm.

CS 140 Computer Science I

Spring Semester. 4 semester hours.

Prerequisites: MTH 150 with C or higher.

Introduction to algorithm development and structured programming using the C++ programming language. I/O, arithmetic and logic operations, selection and looping structures, subprograms, parameter passing techniques, strings, and one and two dimensional arrays.

CS 150 Competition Programming

Fall and Spring Semesters. 1 semester hour.

Prerequisites: CS 130 with C or higher.

Students will learn how to compete successfully in a programming competition, as well as create programming problems from start to finish, and how to plan a programming competition to be executed by the students as the final. Elements of problem design and implementation, and a selection of possible programming environments will also be discussed.

CS 210 Advanced Computer Information Systems

Fall and Spring Semesters. 3 semester hours.

Prerequisites: CS 110 with C or higher or equivalent.

Students will gain an advanced level of competency in computer hardware, operating systems, and applications software such as word processor, spreadsheet, database, HTML, and presentation programs. CS 210 is designed to progress advanced students towards completion of Microsoft Office Applications Certification (MOS). Users will become familiar with all components of the Microsoft Office Suite. CS 210 does not count toward a major or minor in computer science.

CS 240 Computer Science II

Fall Semester. 4 semester hours.

Prerequisites: CS 140 with C or higher.

Continuation of CS 140. Recursion, elementary searching and sorting techniques and intermediate data structures such as records, arrays of records, stacks, queues, linked lists and introduction to binary trees.

CS 270 Software Engineering

Spring Semester, odd years. 3 semester hours.

Prerequisites: CS 240 with C or higher.

Introduction to software engineering as a discipline with an emphasis on design patterns. The course will cover the stages of the software life cycle, requirements analysis, structured and object-oriented analysis and design methods. It also discusses verification/validation, quality assurance, testing methods, maintenance, documentation, project management and team structure.

CS 310 Seminar in Computer Ethics

Fall Semester, even years. 1 semester hour.

Prerequisites: CS 140 with C or higher.

Social, legal, and ethical issues in computer science including privacy, piracy and responsibility.

CS 340 Data Structures & Algorithms

Spring Semester, even years. 3 semester hours.

Prerequisites: CS 240 with C or higher.

Advanced data structures including doubly linked lists, binary trees, binary search trees, heaps, B-trees, graphs, advanced searching and sorting techniques and elementary algorithm analysis.

CS 350 Database Programming

Fall Semester, even years. 3 semester hours.

Prerequisites: CS 240 with C or higher.

Database design principles, relational data models, query languages and optimizations, transaction processing, recovery techniques. Object-oriented databases, distributed databases. Storage and access methods including indexing, hashing and range accesses.

CS 360 Computer Organization and Assembly Language

Spring Semester, even years. 4 semester hours.

Prerequisites: CS 240 with C or higher.

Logic circuits, digital components, data representation, register transfer, micro-operations, organization, design, machine language and micro code.

CS 380 Practicum in Programming Languages

As announced. 1 semester hour.

Prerequisites: CS 240 with C or higher or instructor permission.

Examination of a paradigm and/or programming language such as C++, FORTRAN, LISP, Java, SQL, Scheme and Web programming and/or a methodology such as object oriented, functional or scientific programming. May be repeated for credit provided the subject matter is different.

CS 402 Computer Graphics

Spring Semester, odd years. 3 semester hours.

Prerequisites: CS 240 with C or higher.

Introduction to computer graphics programming including lines, curves, windows, clipping, two and three dimensional transformations, projections and hidden line removal.

CS 408 Introduction to Cognitive Programming

Spring Semester, even years. 3 semester hours.

Prerequisites: CS 340 with C or higher or concurrent.

Artificial intelligence, knowledge representation, inference methods, and expert system shells and programming.

CS 410 Introduction to Network Programming

Fall Semester, odd years. 3 semester hours.

Prerequisites: CS 340 with C or higher or concurrent.

Digital communication theory, network structures and components, switching techniques, network functions, layered network architectures, data link protocols, network control, and examples of LAN and WAN networks. Hardware and software support for networking.

CS 412 Operating Systems

Fall Semester, even years. 3 semester hours.

Prerequisites: CS 360 with C or higher or concurrent.

Operating systems principles, including processes, concurrent processes, deadlock, storage, virtual storage, scheduling and distributed computing. Examples from MS-DOS, Windows and UNIX-like operating systems.

CS 418 Independent Study in Computer Science

As announced. 1-3 semester hours.

Prerequisites: CS 340 with C or higher, instructor permission, and approval of course outline by the Academic Performance Committee.

Independent reading and research in the field of Computer Science.

CS 450 Special Topics in Computer Science

As announced. 1-3 semester hours.

Prerequisites: instructor permission.

Developed by individual faculty and approved by the department to meet the needs of the instructor's special interest, student interest and/or a rapidly changing curriculum.

CS 470 Advanced Software Engineering

Fall Semester, odd years. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: CS 270 with C or higher.

Advanced topics in software engineering and design, including database support and web-based applications.

Criminal Justice

Social Science Department

CJ 110 Introduction to Criminal Justice

Spring and Fall Semesters. 3 semester hours.

Introduction to Criminal Justice offers the first-year student a foundation to concepts of prevention, social justice, and the origins of crime (U.S. and globally).

CJ 111 Corrections, Punishment and Crime

Fall and Spring Semesters. 3 semester hours.

A historical overview of American correctional systems with an emphasis on punishment ideologies and their impact on probation, parole, imprisonment, and sentencing objectives.

CJ 280 Criminal Law & Jurisprudence

Fall Semester. 3 semester hours.

Prerequisites: CJ 110 or 111.

This course examines the history of criminal law and the elements of crime in our society and in Michigan.

CJ 285 Legal Issues in Corrections

Spring Semester. 3 semester hours.

Prerequisites: CJ 110 or 111.

Legal Issues provides the student with the basic understanding of legal issues surrounding the role of corrections personnel in the criminal justice field. Liability in the use of force, religious rights, medical care, and communication access are covered in depth.

CJ 290 Criminal Procedures

Spring Semester. 3 semester hours.

Prerequisites: CJ 280.

Building on the foundation of criminal law, this course provides a legal format of how the processing of crime must occur and the legal ramifications involved in crime control in Michigan.

CJ 320 Client Relations

Intensive Learning Term. 3 semester hours.

Prerequisites: IDS 111 or CJ 110 or 111.

Explores the relationship of power, diversity, and discrimination in the professions of criminal justice, social work, counseling and education.

CJ 330 Juvenile Delinquency

Spring and Summer Semesters. On-line. 3 semester hours.

Prerequisites: CJ 110 or 111.

Violent crime among youth, including an analysis of the influence of socialization, economic conditions and the criminal justice system are addressed.

CJ 340 Police & Community

Spring Semester. 3 semester hours.

Prerequisites: CJ 110 or 111.

Compares differing systems of relationships between police and the communities they patrol.

CJ 360 Criminal Investigations

Fall and Spring Semesters. 3 semester hours.

This course offers students in the law enforcement track practical experience in writing tickets, police reports and warrants.

CJ 400 Ethical and Moral Issues

Fall and Spring Semesters. 3 semester hours.

Explores moral dilemmas associated with punishment, the death penalty, incarceration and the use of force.

CJ 430 Crime Scene Investigation

Fall Semester. 3 semester hours.

Prerequisites: CJ 280 and 290.

Crime Scene Investigation provides students with foundations in fingerprinting analysis, the use of forensic science and accident reconstruction.

CJ 440 Defense Tactics/Physical Training

Intensive Learning Term. 3 semester hours.

Prerequisites: junior standing and six semester hours of CJ.

This course provides hands-on instruction to assist the student in performance of arrest and restraint, and to increase the margin of safety for both the law enforcement officer and the suspect. Physical training is included to prepare the student to pass the MCOLES and MCOTC physical tests.

CJ 470 Criminal Justice Internship

Fall, Spring and Summer Semesters. 3-6 semester hours.

Prerequisites: junior standing and six semester hours of CJ.

The internship provides the student with practical experience at an assigned location with supervision by criminal justice practitioners.

CJ 490 Senior Seminar in Criminal Justice

Fall and Spring Semesters. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: senior standing in CJ.

This course prepares the student for entry into the criminal justice system as a professional. Interviewing skills and a mock interview are used as learning tools to gain knowledge of the "real world."

Economics

Business Administration Department

ECO 201 Principles of Microeconomics

Fall and Spring Semesters. 3 semester hours.

Microeconomics is the study of elementary supply and demand, the production function, individual firm behavior, and institutional effects of government and labor business operations.

ECO 202 Principles of Macroeconomics

Fall and Spring Semesters. 3 semester hours.

This course examines economics from the aggregates perspective. National, regional and international issues, policies and effects will be explored. Topics include inflation, GDP, unemployment, recessions, growth and development, government strategies such as fiscal and monetary policy, international trade and trading blocks.

ECO 301 Intermediate Microeconomics

Spring Semester. 3 semester hours.

Prerequisites: ECO 201 and 202 and MTH 150, or instructor permission.

Economic theory with emphasis on the theory of consumer behavior, the theory of the firm and factor pricing with emphasis on capital theory.

ECO 302 Intermediate Macroeconomics

Fall and Spring Semesters. 3 semester hours.

Prerequisites: ECO 201 and 202 or instructor permission.

An examination of macroeconomics theory with particular emphasis on business cycles, economic growth and price instability. The interplay between theory and policy is analyzed.

**ECO 315 Studies in Economic Problems:
Variable Topics**

As announced. 3 semester hours.

Prerequisites: ECO 201 and 202, or instructor permission.

Selected area of concern not intensively covered in other courses. The focus of the course will be substantive as well as analytical. Topics may include poverty, the war industry, farm problems, misallocation of resources, welfare programs, unemployment, health and human services, urban economy, energy and environmental economics, and others. May be repeated for credit with a different topic.

ECO 401 Money, Credit and Banking

Fall Semester. 3 semester hours.

Prerequisites: ECO 201 and 202.

Financial institutions and their role in the determination of interest rates and the volume of money and credit. Topics include commercial banking and the Federal Reserve System and methods and goals of monetary policy.

ECO 490 Managerial Economics

Spring Semester. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: ECO 301.

The primary goal of this course is to provide a unifying theme of managerial decision making around the theory of the firm, to introduce an international dimension into managerial economics to reflect the globalization of tastes, production and distribution in today's world, and to show how managerial decisions are actually made in the real world.

Education

Education Department

ED 201 Foundations of American Education

Fall and Spring Semesters. 2 semester hours.

Prerequisites: sophomore standing or instructor permission.

Introduction to American education and teaching as a profession. Practical and theoretical foundations on which educational practice rests in the United States. Emphasis on the roles and responsibilities of the classroom teacher. In addition, there is an emphasis on the philosophies of multicultural education.

ED 202 Psychology of Human Development and Learning

Fall and Spring Semesters. 2 semester hours.

Prerequisites: sophomore standing or instructor permission.

Application of the understandings, methods, and research of psychology to teaching and learning situations with an emphasis on the growing and changing nature of human development.

ED 203 Education of the Exceptional Learner

Fall and Spring Semesters. 2 semester hours.

Prerequisites: sophomore standing or instructor permission.

Historical perspective, legislation and litigation, psychological, academic, social and cognitive characteristics associated with specific handicapping conditions, assessment and intervention procedures, special education services and programming, the role of family and community and current issues related to special education.

ED 260 Art Education: Foundation, Theory and Practice

Spring Semester. 4 semester hours.

Prerequisites: ART 101, ART 105, ART 107, ART 221 or instructor permission.

Theories of the development of art education in the United States including child development stages in relation to art education. Curriculum writing is presented within the framework of Michigan's "Standards for the Preparation of Teachers of Visual Arts Education." Mandatory participation in observing K-12 art classrooms included.

ED 300 Methods of Teaching Reading in the Elementary School

Fall Semester. 3 semester hours.

Prerequisites: ED 201, 202 and 203; admission to the Teacher Preparation Program.

Explore differing philosophies of reading instruction with emphasis on the reading process; various approaches to the teaching of reading; instructional strategies and materials appropriate to a developmental reading program; and an analysis of the organization and management of a classroom reading program.

ED 301 Individual Reading Instruction in the Elementary School

Spring Semester. 3 semester hours.

Prerequisites: ED 201, 202, 203 and 300; admission to the Teacher Preparation Program.

Recognizing, diagnosing and treating reading problems with emphasis on problems children may encounter when learning to read; an analysis of the strengths and weaknesses of common diagnostic instruments; an introduction to testing terminology and interpretation of test results; and a presentation of approaches, techniques and devices for differentiating instruction to fit individual needs.

ED 302 Methods of Teaching Reading in the Secondary School

Fall Semester. 3 semester hours.

Prerequisites: ED 201, 202 and 203; admission to the Teacher Preparation Program.

Strategies for increasing reading comprehension. Emphasis on interactions that occur among the teacher, students and text.

ED 305 Materials and Methods of Health and Physical Education

Spring Semester. 2 semester hours.

Prerequisites: junior standing, admission to the Teacher Preparation Program.

A practical course designed to acquaint the prospective teacher with materials and methods employed in elementary and secondary schools. Instruction in graded games, stunts, rhythmical activities, relays and activities

appropriate to various ages. A study of theories of teaching and learning. Attention to curriculum and program construction for elementary grades, junior high school and senior high school.

ED 310 Technology in the Classroom

Fall and Spring Semesters. 2 semester hours.

Prerequisites: admission to the Teacher Preparation Program.

This course will introduce students to basic technology applications and techniques useful to integrate technology in the classroom. The course will address how to use technology to locate, evaluate and collect information from a variety of sources. Legal, ethical, cultural and societal issues related to technology use will be discussed. The National Teacher Technology Standards along with Michigan Technology Content Standards will provide the framework for understanding and exploration of the use of technology in education.

ED 320 Methods of Teaching Hands-On Math in the Elementary School

Fall Semester. 2 semester hours.

Prerequisites: sophomore standing, admission to the Teacher Preparation Program.

Current hands-on methods of teaching mathematics in the elementary school.

ED 322 Methods of Teaching Hands-On Science in the Elementary School

Spring Semester. 2 semester hours.

Prerequisites: sophomore standing; admission to the Teacher Preparation Program.

Current hands-on methods of teaching science in the elementary school.

ED 330 Art Education: Integration and Expansion

Fall Semester. 4 semester hours.

Prerequisites: ED 260; admission to the Teacher Preparation Program.

Planning, organization and delivery of art content at an advanced level. Content includes cultural relativism, teaching multiculturalism, exploring the integration of other content areas in the art classroom and the four components of Discipline Based Art Education. Michigan and National Standards for Art Education are addressed. Off-campus directed teaching required.

ED 338 Instrumental Music for Vocalists

Fall Semester, odd years. 2 semester hours.

Prerequisites: MUS 344; admission to the Teacher Preparation Program.

This course acquaints pre-service vocal music teachers with the skills, methods and curricular sequences of instrumental music education.

ED 344 Elementary Music Methods

Fall Semester, odd years. 2 semester hours.

Prerequisites: admission to the Teacher Preparation Program.

Teaching music to elementary school students and the benefits of an activity-based instructional format. Includes participation with rhythmic, melodic and chordal instruments.

ED 346 Secondary Music Methods

Fall Semester, even years. 2 semester hours.

Prerequisites: junior standing or instructor permission; admission to the Teacher Preparation Program.

Materials and methods necessary for implementing a choral music program and succeeding in a choral teaching situation.

ED 348 Secondary Instrumental Music for Vocalists

Fall Semester, odd years. 2 semester hours.

Prerequisites: MUS 344; admission to the Teacher Preparation Program.

This course examines issues related to the teaching of instrumental music. Special emphasis is given to program goals and curriculum development, instructional planning and materials and techniques designed for teaching musical concepts in the performance class.

ED 360 Art Education: Media, Methodology, Technology and Art Advocacy

Spring Semester. 4 semester hours.

Prerequisites: ED 260; admission to the Teacher Preparation Program.

A variety of media, methodology and technology are covered. Issues of professional responsibility such as financing art in a school system, organizing the classroom, student competitions, continuing art education certification and the broader role of the art educator are also addressed. Off-campus field observation and directed teaching included.

ED 365 Methods of Teaching Language Arts

Fall Semester, even years. 2 semester hours.

Prerequisites: junior standing; admission to the Teacher Preparation Program.

Practical exercises and theoretical background preparatory to secondary teaching in the language arts, literature, composition, speaking, listening and critical thinking.

ED 375 Business Teaching Methods

Fall Semester, 2 semester hours.

Prerequisites: junior standing; admission to the Teacher Preparation Program.

A study of the methods and teaching techniques of teaching the several disciplines that comprise business, management, marketing and technology studies.

ED 380 Methods of Teaching Students with Learning Disabilities

Fall Semester. 3 semester hours.

Prerequisites: ED 201, 202, 203, 310; admission to the Teacher Preparation Program.

This is the first part of a two semester block that provides students with methods to select systems of instruction that will most likely ameliorate the effects of the learning disability. Students will obtain skills necessary to effectively assess instructional outcomes and how to use this data in the formulation of an ongoing instructional plan. Field experience is a significant part of this class (25 hrs.)

ED 381 Methods of Teaching Students with Learning Disabilities II

Spring Semester. 3 semester hours.

Prerequisites: ED 201, 202, 203, 301, 380; admission to the Teacher Preparation Program.

This is the second part of a two semester block that provides students with methods to select systems of instruction that will most likely ameliorate the effects of the learning disability. Students will obtain skills necessary to effectively assess instructional outcomes and how to use this data in the formulation of an on-going instructional plan. Field experience is a significant part of this class (30 hrs.)

ED 390 Behavior Management

Fall Semester, 3 semester hours.

Prerequisites: junior standing; PSY 314, ED 201, ED 202, and ED 203; admission to the Teacher Preparation Program.

Provides students with behavior management practices effective when working with students exhibiting challenging behaviors.

ED 391 Characteristics of Students with Learning Disabilities

Spring Semester, 3 semester hours.

Prerequisites: ED 201, 202, 203; admission to the Teacher Preparation Program.

This course looks at problems and issues specific to the area of learning disabilities. Students can expect to demonstrate understanding of learning problems including: reasoning, thinking, speaking, reading, writing, spelling and mathematics.

ED 393 Methods of Teaching Social Studies

Spring Semester. 2 semester hours.

Prerequisites: junior standing, admission to the Teacher Preparation Program.

A study of the methods and techniques of teaching the several disciplines that comprise the social studies area.

ED 394 Methods of Teaching Mathematics

Fall Semester. 2 semester hours.

Prerequisites: junior standing, admission to the Teacher Preparation Program.

Classroom management, instructional methods, and the application of learning theory to the development of mathematical abilities. Students will practice planning lessons at the level appropriate to the certification that they are seeking.

ED 395 Methods in Teaching Computer Science

Spring Semester, odd years. 2 semester hours.

Prerequisites: junior standing; ED 201, ED 202, ED 203, ED 310; admission to the Teacher Preparation Program.

Prospective teachers will learn how to locate educational resources, design age/grade level lessons and units related to appropriate state content standards. Students will demonstrate familiarity with emerging issues in the teaching of computer science in secondary schools. Course requirements will also include structured field experiences and class projects.

ED 396 Teaching Methods in Science

Fall Semester. 3 semester hours.

Prerequisites: ED 201, 202, 203, 310; admission to the Teacher Preparation Program.

The problems of teaching biology, chemistry, physics and general science are presented. Emphasis is on the resources available to the teacher with special attention given to the effective use of demonstrations and the laboratory.

ED 398 Methods of Teaching Students with Emotional Impairments I

Fall Semester, 3 semester hours.

Prerequisites: junior standing; PSY 314, PSY 315, ED 201, ED 202, ED 203, ED 390; admission to the Teacher Preparation Program.

Research-based understanding of theory and practice in providing appropriate educational supports and services to students with emotional behavioral disturbances. This is the first of two courses that examine the academic and social-emotional needs of students with emotional or behavioral disorders. These courses combine structured review and discussion of research associated with prevention and intervention programming, teaching strategies and skills within the classroom, the school, and the community, with a reflective approach to learning about these issues.

ED 399 Methods of Teaching Students with Emotional Impairments II

Spring Semester, 3 semester hours.

Prerequisites: junior standing; PSY 314, PSY 315, ED390, ED 398; admission to the Teacher Preparation Program.

Research-based understanding of theory and practice in providing appropriate educational support and services to students with emotional behavioral disturbances.

This is the second course that examines the academic and social-emotional needs of students with emotional or behavioral disorders. These courses combine structured review and discussion of research associated with prevention and intervention programming, teaching strategies and skills within the classroom, the school, and the community, with a reflective approach to learning about these issues.

ED 401 Elementary Methods

Fall and Spring Semesters. 3 semester hours.

Prerequisites: senior standing, completion of required 200- and 300-level courses, admission to the Teacher Preparation Program. Taken the semester prior to student teaching.

Methods and techniques of teaching the elementary school curriculum with emphasis on the use of fundamental skills in presenting subject matter.

ED 402 Secondary Methods

Fall and Spring Semesters. 3 semester hours.

Prerequisites: senior standing, completion of required 200 and 300-level courses, admission to the Teacher Preparation Program. Taken the semester prior to student teaching.

Methods and techniques that apply to the general approach of teaching subject matter in the secondary schools.

ED 404 Evaluation and Assessment of Special Needs Students

Summer Session I. 4 semester hours.

Prerequisites: junior standing; PSY 312, PSY 315, ED 390, ED 398, ED 399, ED 380, ED 381; admission to the Teacher Preparation Program.

Fundamentals of educational assessment with emphasis on different types of assessment measures and processes involving students with learning, behavioral and affective differences. Evaluation and Assessment of Special Needs Students is a course designed to provide the student knowledge with practices of assessment including standardized and alternative procedures, particularly as they relate to children and adolescents with learning, behavioral and affective differences. Emphasis is given to those types of assessment procedures that more readily involve special education.

ED 405 Models of Special Education Services and Administration

Spring Semester, 3 semester hours.

Prerequisites: junior standing; ED 390, ED 398, ED 399, or ED 380, ED 381; admission to the Teacher Preparation Program.

Using effective school-based strategies and outside resources to meet the needs of special education students. Includes the legal basis for special education, change theory and collaboration, meeting student needs utilizing programs, services, accommodations,

modifications, data collection and outside resources to assist with access to the general curriculum. The focus will also be on the role of the teacher in processes used within the school: MET, IEP, discipline and legal remedies.

ED 406 Classroom Interventions & Teacher Consultation

Intensive Learning Term. 2 semester hours.

Prerequisites: junior standing; PSY 314, 325, ED 390, 391, 395 and ED 380, ED 381; admission to the Teacher Preparation Program.

Collaborating with others to employ universal design for learning to provide instruction for all students. This course includes universal design for learning, instructional theory, assisted technology and research-based methodology for lesson planning that accommodates individual differences. Effective collaboration and development of teacher consultation skills is covered.

ED 407 Observation and Directed Teaching in the Elementary School

Fall and Spring Semesters. 14 semester hours.

Satisfies Service Learning and Senior Experience requirements.

Prerequisites: senior standing; completion of required 200- 300- and 400-level courses; admission to the Teacher Preparation Program.

Participation and classroom teaching under the supervision of a qualified teacher in state-approved public or private schools. The directed teaching course will include training and experience at the YMCA Sherman Lake Outdoor Center. The Sherman Lake experience will consist of a 1 week intensive orientation and 2-4 weeks of implementation at Sherman Lake. The student teaching experience also includes a 12 consecutive week assignment in a traditional classroom setting. The Sherman Lake component of directed teaching will focus upon the implementation of classroom management techniques within an environment emphasizing character education. Opportunities are provided for experiences in all areas of the curriculum for one grade level. Students will participate in a series of seminars held on campus.

ED 408 Observation and Directed Teaching in the Secondary School

Fall and Spring Semesters. 14 semester hours.

Satisfies Service Learning and Senior Experience Requirement.

Prerequisites: senior standing; completion of required 200- 300- and 400-level courses; admission to the Teacher Preparation Program.

Participation and classroom teaching under the supervision of a qualified teacher in state-approved public or private schools. The directed teaching course will include training and experience at the YMCA Sherman Lake Outdoor Center. The Sherman Lake experience will consist of a 1-week intensive orientation and 2-4 weeks of implementation

at Sherman Lake. The student teaching experience also includes a 12 consecutive week assignment in a traditional classroom setting. The Sherman Lake component of directed teaching will focus upon the implementation of classroom management techniques within an environment emphasizing character education. The student teaches in his or her major and/or minor fields. Subject matter and classroom experiences are planned to meet the needs of the individual student. Students will participate in a series of seminars held on campus.

**ED 409 Observation and Directed Instruction
For Special Education**

*Fall and Spring Semesters, 3 Semester hours.
Satisfies Service Learning and Senior Experience requirements.
Prerequisites: senior standing; ED 398, ED 399, ED 404,
ED 405, ED 406; concurrent with ED 411; admission
to the Teacher Preparation Program.*

Six to eight weeks of participation and classroom teaching under the guidance of a qualified cooperating teacher in a state approved public or private school. Opportunities are provided for teaching experiences in an EI classroom and/or with EI students. You will be expected to student-teach at either elementary, middle or high school. You will also be expected to fully participate on the multidisciplinary evaluation team and in the IEP process. Effective communication skills with parents, professionals and community agencies are also keys to the successful completion of this experience. Students will regularly reflect on what they are learning and will share their reflections at the Teacher Preparation Seminars held on campus. Documentation of the student interning experience will be expected in the form of a Student Intern Exhibit.

ED 411 Seminar For Special Education

*Fall and Spring Semesters, 3 Semester hours.
Prerequisites: senior standing; completed all prerequisites,
concurrent with ED 409; admission to the
Teacher Preparation Program.*

Six to eight weeks of participation and classroom teaching under the guidance of a qualified cooperating teacher in a state approved public or private school. Opportunities are provided for teaching experiences in an EI/LD classroom and/or with EI/LD students. You will be expected to student-teach at an elementary, middle or high school. You will also be expected to fully participate on the multidisciplinary evaluation team and in the IEP process. Effective communication skills with parents, professionals and community agencies are also keys to the successful completion of this experience. Students will regularly reflect on what they are learning and will share their reflections at the Teacher Preparation Seminars held on campus. Documentation of the student interning experience will be expected in the form of a Student Intern Exhibit.

ED 418 Independent Study

*As announced. 1-3 semester hours.
Prerequisites: departmental permission and approval of the
Academic Performance Committee, admission to the
Teacher Preparation Program.*

Independent research and/or readings on special topics in education.

**English
Humanities Department**

ENG 105 Text and Culture

Fall and Spring Semesters. As announced. 3 semester hours.

Introduction to fundamental techniques of literary analysis through the study of texts from a variety of world cultures. This course also introduces some of the issues surrounding the idea of culture, in particular how literature plays a role in how cultures are defined and understood. Text and Culture stresses the importance of writing in the learning process, and the course includes instruction in the writing process.

ENG 145 Introduction to Creative Writing

*Fall Semester. 3 semester hours.
Satisfies Creative Experience requirement.*

Guided assignments for beginning writers in drama, fiction and poetry. Features stressed are plot, point of view and imagery. Creative Experience courses offer hands-on experience—students are actively engaged in the creative process.

**ENG 202 Cultural Theories of Representation:
American Literature I**

*Fall Semester. 3 semester hours.
Satisfies Global Diversity requirement.*

This course explores the various literary creations of the “myths” behind American literature. It questions, explores, and eventually may demystify the historical and political reasons behind such creations.

**ENG 203 Theories of Form:
Early British Literature**

Fall Semester. 3 semester hours.

The course introduces students to the relationship between the literary and the form through which it has been recorded and through which it represents its themes and concerns. It is a highly historically oriented course insofar as it perceives the form as continually changing.

**ENG 204 Defining Literary Thinking:
British Literature II**

Spring Semester. 3 semester hours.

This course aims to introduce students to the chief terms in the practice of literary studies. The course addresses the question of how and why we read literature, not by providing an answer to the course title but by considering the historical

and cultural implications of reading. The course introduces students to the purpose and function of literary criticism as well as to an understanding of how we are everywhere interpreting, with special emphasis on Romantic, Victorian and Modernist texts.

**ENG 205 Reading and Interpretation:
American Literature II**

Spring Semester. 3 semester hours.

This course covers basic reading in literary theory, the relationship between critical theory and literature, and the principles of evaluation, appreciation and understanding. American texts from the mid 19th-century to the present will serve as a point of departure for critical analysis.

ENG 215 Shakespeare through Performance

Spring Semester, odd years. 3 semester hours.

A hands-on course. Students will use a variety of performance-centered techniques to gain a greater understanding of Shakespearean drama and how dramatic texts function differently from literary texts (prose and poetry).

ENG 220 The English Language

Spring Semester. 3 semester hours.

An overview of the major issues in the history of the English language, basic linguistics, and applied sociolinguistics. Topics covered include beginning linguistics, including phonology, phonetics, and orthography; principles of language variance and change; the historical development and migration of the English language; and issues in contemporary English usage.

ENG 230 Introduction to Film

Fall Semester. 3 semester hours.

Prerequisites: IDS 111 or concurrent.

Prepares students to be more astute, knowledgeable critics of film, centered on building a greater understanding of how film is made and works. Approaches to the class may vary: one section may be organized historically, another by genre, and another by country.

ENG 240 Advanced Composition

Fall Semester. 3 semester hours.

Prerequisites: C or higher in IDS 112.

A writing workshop designed to help students improve their ability to write clear, unified and interesting prose and to refine their appreciation and understanding of the English language. The course stresses the writing process and how to apply writing strategies effectively to a range of writing tasks, including argumentation, analysis, and research-supported essays. Also addresses issues of style, grammar, mechanics and usage.

ENG 245 Fiction Writing I

Spring Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Writing short stories, from the basics to the finer points. In-class exercises, guided assignments and free projects. Creative Experience courses offer hands on experience—students are actively engaged in the creative process.

ENG 247 Poetry Writing I

Fall Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Writing poetry of many types. Workshop setting with sharing students' works; attention to the poetic process. Creative Experience courses offer hands-on experience—students are actively engaged in the creative process.

ENG 249 Creative Non-Fiction Writing

Spring Semester. 3 semester hours.

Satisfies Creative Experience and Service Learning requirements.

An introductory course in creative writing which applies the literary qualities of fiction and poetry to non-fiction essays. Through writing about service learning opportunities, students will document their experience (and/or that of their essay subject[s]).

ENG 251 Travel Writing

Intensive Learning Term, even years. 3 semester hours.

Satisfies Creative Experience and Global Diversity requirements.

A travel-based, experiential course, studying various forms of travel writing with an emphasis on the writing process. In-class exercises, workshops, guided assignments, projects and presentations.

NOTE: travel required for the course may involve expenses additional to course tuition.

**ENG 301 Transgressions and Transformations
in 19th Century Thought**

Fall Semester, odd years. 3 semester hours.

Prerequisites: [ENG 105, ENG 240 and ONE of the following: ENG 202, 203, 204 or 205] OR [ENG 240 and TWO of the following: ENG 202, 203, 204 or 205]

When most people think of a particular century, they think of its most sweeping movements. But often those arose out of authors' discontents with the particular conventions of those same movements. Much of 19th century thought arises because authors perceived current ideas as too limiting, too frustrating, too conservative. This course examines the conventions governing such thought. But it also looks at some of the criticism of the period, which may have helped (or not) create the conventions the authors sometimes opposed.

ENG 302 Transgressions and Transformations in 20th Century and Contemporary Thought

Fall Semester, even years. 3 semester hours.

Prerequisites: [ENG 105, ENG 240 and ONE of the following: ENG 202, 203, 204 or 205] OR [ENG 240 and TWO of the following: ENG 202, 203, 204 or 205].

When most people think of a particular century, they think of its most sweeping movements. But often those arose out of authors' discontents with the particular conventions of those same movements. Much of 20th century thought arises because authors perceived current ideas as too limiting, too frustrating, too conservative. This course examines the conventions governing such thought. But it also looks at some of the criticism of the period, which may have helped (or not) create the conventions the authors sometimes opposed.

ENG 303 International Literatures

Spring Semester. 3 semester hours.

Prerequisites: [ENG 105, ENG 240 and ONE of the following: ENG 202, 203, 204 or 205] OR [ENG 240 and TWO of the following: ENG 202, 203, 204 or 205] Satisfies Global Diversity requirement.

Appreciation of the rich tradition of international literature and understanding the culture in which a literature has emerged. Awareness of the impact and contribution of international literature to world society.

ENG 345 Fiction Writing II

As announced. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ENG 245.

Writing short stories, from the basics to the finer points. In-class exercises, guided assignments and free projects. Creative Experience courses offer hands-on experience—students are actively engaged in the creative process.

ENG 347 Poetry Writing II

As announced. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ENG 247.

Writing poetry of many types. Workshop setting with sharing students' works; attention to the poetic process. Creative Experience courses offer hands-on experience—students are actively engaged in the creative process.

ENG 350 Children's Literature

Fall Semester. 3 semester hours.

Prerequisites: ENG 105 and ENG 240.

A study of important texts for children with attention to the use of literature, including illustrated, books, in elementary teaching. Emphasis is on using literature to teach subjects across the curriculum.

ENG 352 Adolescent Literature

Fall Semester. 3 semester hours.

Prerequisites: ENG 105 and ENG 240.

A study of important texts for adolescents with attention to the use of literature in secondary teaching. Emphasis is on using literature to teach subjects across the curriculum.

ENG 401 Ethnicities

Spring Semester. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: [ENG 105, ENG 240 and ONE of the following: ENG 202, 203, 204 or 205] OR [ENG 240 and TWO of the following: ENG 202, 203, 204 or 205]

Many writers of different ethnic roots have created images of the individual's relationship to his/her community. Indeed, much of the work of writers from various ethnic groups, be they Asian-American, Native American, Latino, African American or others, grapples with the issue of identity, whether self identity or social and political identities within society. This course will speculate on the following questions: How do these writers determine who we are, that is, how do they come to define their, and by extension, our sense of "self"? How do they distinguish between the many communities to which we all belong (our genders, families, races, religions and ethnic backgrounds)? What effects do these memberships have on their/our lives? In discussing these works, we will examine the way writers work within forms that often blur the distinction between reality and fiction, between genres (are we dealing with an autobiography or a social document, a history, a memoir, or a novel?). We will also explore the dynamics of that blurring and the social implications for society as a whole, for the academic disciplines, and for the "imagined community" that makes up our nation.

ENG 402 Philosophical Literature

Fall Semester, odd years. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: [ENG 105, ENG 240 and ONE of the following: ENG 202, 203, 204 or 205] OR [ENG 240 and TWO of the following: ENG 202, 203, 204 or 205]

This course explores key interpretations between philosophy and literature. How is the literary a primary form of knowing about the self and about subjectivity? Or is this a statement that belongs only to philosophy? What are literary critics to do with primarily philosophical texts, like those of Derrida and Foucault, but also with authors such as Whitman or Blake? Or is it, as postmodernism would like it, that there are in fact no boundaries among disciplines, just texts? The course explores these and other philosophical-literary issues.

ENG 404 Studies in Literary Topics

*Fall Semester, even years. 3 semester hours.
Satisfies Senior Experience requirement.
Prerequisites: [ENG 105, ENG 240 and ONE of the following: ENG 202, 203, 204 or 205] OR [ENG 240 and TWO of the following: ENG 202, 203, 204 or 205]*

The exploration of a literary topic ordinarily outside the scope of more traditional courses in literature. Topics might include such subgenres of literature as the detective novel or science fiction, or literary trends of current interest. Topics will change every semester.

ENG 445 Fiction Writing III

*As announced. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ENG 345.*

Writing short stories, from the basics to the finer points. In-class exercises, guided assignments and free projects.

ENG 447 Poetry Writing III

*As announced. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ENG 347.*

Writing poetry of many types. Workshop setting with sharing students' works, attention to the poetic process. Creative Experience courses offer hands on experience—students are actively engaged in the creative process.

Financial Planning

Business Administration Department

FP 200 Fundamentals of Financial Planning

Fall Semester. 3 semester hours.
This course provides an overview of the financial planning process, including communication techniques, ethics, risk tolerance, time-value-of-money concepts, financial planning applications, regulatory issues, and the legal and economic environment for financial planning. The student will gain an understanding of the role and responsibilities of a financial planner along with some analytical skills to aid in financial decision-making. This course will also help students prepare for the HS 300 national exam administered by the American College.

FP 323 Life Insurance

*Fall Semester. 3 semester hours.
Prerequisites: 3.0 or higher GPA, IRM 221, FP 200, MTH 232 and BUS 212 recommended.*

This course describes how to determine an individual's needs for economic security, the techniques to provide for those needs and life insurance company operations and regulation. Techniques to be studied will include life insurance and annuities. This course will also help students prepare for the HS 323 national examination administered by the American College.

FP 324 Insurance Code – LH License

*Fall Semester. 1 semester hour.
Prerequisites: 3.0 or higher GPA, IRM 221 and FP 323.*

This course examines The Michigan Insurance Code as it relates to the general provision of insurance regulation and laws pertaining to life and health insurance. Topics include a review of statutes on licensing, unfair trade practices, and insurers' authority to write business in the State of Michigan, and the Michigan Guarantee Fund. This course will also help students prepare for the State of Michigan Life and Health Insurance Agents Licensing Examination.

FP 328 Investments

*Fall Semester. 3 semester hours.
Prerequisites: 3.0 or higher GPA, FP 200.*
Covers various aspects of the principles of investments and their application to financial planning. Discusses risk analysis and risk and return computations. Looks at stocks, bonds, investment companies, options and futures contracts. Includes an extended discussion of tax issues in investing, as well as issues in the practice of portfolio management, including strategic and tactical asset allocation. Provides many examples of ethical and practical issues in managing a client's portfolio. This course will also help students prepare for the HS 328 national exam administered by the American College.

FP 350 Prospecting & Meeting Client Needs

*Spring Semester. 3 semester hours.
Prerequisites: 3.0 or higher GPA, FP 200, FP 323 and IRM 221.*
This course offers an introduction to the life insurance sales career and the sales/planning process in the personal market. This course also examines industry proven methods for successfully identifying, selecting, and approaching prospects for financial products and services. The course will conclude with a simulated client presentation judged by professional financial planners. This course will also help students prepare for the FA 200 and FA 202 national exams administered by the American College.

FP 351 Health and Long-Term Care Financing

*Spring Semester. 2 semester hours.
Prerequisites: 3.0 or higher GPA and FP 200.*
This course provides a thorough analysis of the alternatives available for senior clients to finance medical and long-term care, including private resources, government programs and private insurance. Emphasizes the need for care, the settings in which health care services are provided and the types of resources available to finance them. This course will also help students prepare for the HS 351 national exam administered by the American College.

FP 421 Income Taxation

Fall Semester. 3 semester hours.

Prerequisites: 3.0 or higher GPA, FP 200.

This course examines the federal income tax system with particular reference to the taxation of individuals. Covers such items as items of gross income, exclusions from gross income, deductions, tax credits, capital gains and losses, taxation of life insurance and annuities, income taxation of partners, partnerships, corporations, and shareholders. This course will also help students prepare for the HS 321 national exam administered by the American College.

FP 425 Employee Benefits

Spring Semester. 3 semester hours.

Prerequisites: 3.0 or higher GPA, FP 200 and IRM 221.

This course analyzes group insurance benefits including the governmental environment, contract provisions, marketing, underwriting, rate making, plan design, cost containment and alternative funding methods. Covers the various private programs related to the economic problems of death, old age and disability. Discusses cafeteria plans. This course will also help students prepare for the HS 325 national exam administered by the American College.

FP 426 Planning for Retirement

Spring Semester. 3 semester hours.

Prerequisites: 3.0 or higher GPA, FP 200.

This course focuses on retirement planning for the business, the business owner, and the individual. Covers qualified plans, nonqualified plans, and IRAs; the second part deals with retirement needs for individual clients. Emphasizes the practical knowledge needed for choosing the best retirement plan and designing a plan that will meet a client's needs. Discusses personal retirement planning and retirement distribution planning. This course will also help students prepare for the HS 326 national exam administered by the American College.

FP 430 Fundamentals of Estate Planning

Spring Semester. 3 semester hours.

Prerequisites: 3.0 or higher GPA, FP 200.

This course covers various aspects of estate and gift tax planning, including the nature, valuation, transfer, administration, and taxation of property. Provides a basic understanding of the estate and gift tax system, including strategies of estate planning. Discusses gratuitous transfers of property outright or with trusts, wills, and powers of appointment; use of the marital deduction; valuation of assets; and buy-sell agreements. Covers the client interview, fact-finding, ethical standards and development of personal estate plans. This course will also help students prepare for the HS 330 national exam administered by the American College.

French

Humanities Department

Introductory French courses - see World Languages

Intermediate French courses - see World Languages

FRN 420 Independent Study in French (Readings)

Fall and Spring Semesters. 1-6 semester hours.

Prerequisites: FRN 202.

The student has the opportunity and responsibility for setting up a program of coordinated and selected readings with faculty members. A written proposal must be submitted by the student.

FRN 450 Special Topics in French

As announced. 1-3 semester hours.

Prerequisites: Permission of instructor.

Course developed by individual instructor and/or students.

Geography

Social Science Department

GEO 201 Introduction to Physical Geography

Spring Semester. 3 semester hours.

Basic knowledge of the earth in relation to the physical environment. Climate, soil, solar energy, atmospheric pressure systems, weathering, glacial systems and coastal landforms.

**GEO 202 North American Geography:
United States and Canada**

Fall Semester. 3 semester hours.

Prerequisites: GEO 201 recommended.

An overview and in-depth study of the United States and Canada.

GEO 203 European Geography

Spring Semester. 3 semester hours.

Prerequisites GEO 201 recommended.

A physical and cultural overview of modern day Europe. Environmental, political, social and economic patterns and how they are influenced by the physical environment. National and regional profiles are also covered.

Health/Wellness

Health and Human Performance Department

HWL 215 Human Sexuality

Intensive Learning Term. 3 semester hours.

Biological, behavioral, psychological and cultural dimensions of sexuality. Special attention is given to the implementation and instruction of human sexual education in the school setting.

HWL 240 Basic Athletic Training

Fall Semester. 3 semester hours.

Prerequisites: PE 107 and BIO 260.

For students pursuing careers in athletic training, sports medicine and physical therapy. The responsibilities of an athletic trainer, health care liability and basic components of an athletic training program. Basic concepts of sports injury recognition, management, and rehabilitation as well as issues in nutrition, drugs and professionalism.

HWL 250 Nutrition

Fall and Spring Semesters. 3 semester hours.

Identification, function and food sources of required nutrients. Mechanisms through which nutrients meet biological needs of humans. Applications of principles of normal nutrition to special issues (e.g. physical performance, obesity, pathology).

HWL 252 Substance Use and Abuse

Fall Semester and Intensive Learning Term. 3 semester hours.

Physiological and pharmacological study of chemical substance effects on the human body, with emphasis on the common lifestyle drugs such as alcohol, nicotine, tranquilizers, and those used to enhance physical performance.

HWL 255 Women, Health and Sports

As announced. 2 semester hours.

Personal health, health practices and attitudes, and sports as related to the female. Focus on the unique physiology and anatomy of women, as well as health care utilization and advocacy. Topics include consumer health awareness, health practices, aging, stress, cancer, drugs, mental health and sexuality.

HWL 260 Human Anatomy

Fall and Spring Semesters. 3 semester hours.

Prerequisites: SCI 102, BIO 111 or BIO 105.

Major systems of the body and their functions. Course work involves the use of charts, models and slides, but no dissection.

HWL 300 Organization and Administration in Athletic Training

As announced. 3 semester hours.

Insight into the organization and administrative issues of the athletic training. Topics include job placement, facility design and management, public relations and legal issues as they pertain to athletic training and the sports medicine setting.

HWL 307 Community Health

Spring Semester. 3 semester hours.

Prerequisites: PE 106, HWL 250.

Designed to cover general health content. Topics include health care, mental health stress, healthy needs of individuals in community settings, communicable diseases and cancer, aging and death, consumer health, and current health and non-health conditions affecting the US and world communities.

HWL 308 Administration and Methods in Health Education

Fall Semester. 3 semester hours.

Prerequisites: junior status.

Develop methodology, management, administrative and instructional skills needed to plan and implement a health education program within a school system.

HWL 309 Administration and Methods in Health Education II

Spring Semester. 3 semester hours.

Prerequisites: HWL 308.

The continued development of methodology, management, administrative, and instructional skills needed to plan and implement a health education program within a school system.

HWL 353 Stress Management

Spring Semester. 3 semester hours.

Stress, sources of stress, the manner in which various psychological systems are involved and affected by stress, diseases that are associated with stress, and a variety of intervention strategies. Includes preventative health behaviors and behavior modification.

HWL 354 Wellness Program Management

Fall Semester. 3 semester hours.

Management of facilities and personnel, program development, budget preparation and application of public relations techniques.

HWL 355 Rehabilitation Techniques

As announced. 4 semester hours.

Prerequisites: PE 107, BIO 206, BIO 307, HWL 240, HWL 241. NOTE: C average or higher required in prerequisites, could be taken concurrently.

Introduction to therapeutic exercise as it relates to the prevention and rehabilitation of athletic injuries. Lecture and laboratory exercises will involve selecting, developing and implementing appropriate rehabilitation programs for sports related injuries.

HWL 400 Therapeutic Modalities

As announced. 4 semester hours.

Prerequisites: PE 107, BIO 206, BIO 307, HWL 240, HWL 241 with C average.

Modalities available in helping nature heal injuries; theory and practice as to dosage, time and frequency of different modalities.

History

Social Science Department

HST 201 History of the United States I

Fall Semester, even years. 3 semester hours.

American history: founding of the colonies through the period of Reconstruction.

HST 202 History of the United States II

Spring Semester, odd years. 3 semester hours.

Continuation of HST 201. American history: 1877 to present.

HST 210 World History: Prehistory to 1500

Fall Semester 3 semester hours.

A course designed to familiarize students with the multi-faceted nature of world history from Prehistory to 1500.

HST 211 World History: 1500 to Present

Spring Semester. 3 semester hours.

A course designed to familiarize students with the multi-faceted nature of world history from 1500 to the present.

HST 220 Michigan History

Spring Semester, odd years. 3 semester hours.

Political, social and cultural history of Michigan from Aboriginal peoples of the area to the present.

HST 301 Sectionalism and Reform (1815-1856)

Fall Semester, even years. 3 semester hours.

Prerequisites: HST 201 or instructor permission.

A study of the Jacksonian Era, emphasizing the reform movements, slavery, expansion and sectionalism.

HST 302 Civil War and Reconstruction

Spring Semester, odd years. 3 semester hours.

Prerequisites: HST 201 or instructor permission

The administrations of Buchanan, Lincoln, Johnson and Grant with regard to secession, Civil War and reunion.

HST 303 Colonial America

Fall Semester, odd years. 3 semester hours.

Prerequisites: HST 201 or instructor permission

The English Empire in North America, the interaction of cultures, and the development of the United States of America. Emphasis on the American Revolution.

HST 304 America in the 20th Century

Spring Semester, even years. 3 semester hours.

Prerequisites: HST 202 or instructor permission.

Changes in government, society and the economy since the end of World War I.

HST 305 American Constitutional History

Fall Semester, odd years. 3 semester hours.

Prerequisites: three hours of American history or government.

American constitutional development with emphasis on the 20th century.

HST 316 Modern Russia

Fall Semester, even years. 3 semester hours.

Prerequisites: sophomore standing.

From the Romanovs through to the Bolshevik Revolution, the emergence of the Soviet Union as a world power, and the breakup of the Soviet Union.

HST 317 American Foreign Policy in the 20th Century

Fall Semester, odd years. 3 semester hours.

Prerequisites: HST 202 or instructor permission.

Emergence of the U.S. as a world power from 1898 to the present.

HST 319 The Modern Middle East

Fall Semester, odd years. 3 semester hours.

Prerequisites: sophomore standing.

The Middle East from the 19th century to present. Islam and Islamic civilization, the impact of European control, independence movements of the early 20th century, Egyptian and Iranian Revolutions and the Arab-Israeli dispute.

HST 327 19th Century American West

Spring Semester, odd years. 3 semester hours.

Recommended prerequisite: HST 202.

Trans-Mississippi West in the 19th century and the problems of settling a frontier. Native Americans, mountain men, miners, outlaws, law officers, the military and methods of transportation and communication.

HST 341 American Women I

Fall Semester, odd years. 3 semester hours.

Gender through American political, social and cultural history. American women from Pre-Colombian America to 1865. Native American women and the women of various immigrant groups.

HST 342 American Women II

Spring Semester, even years. 3 semester hours.

Gender through American political, social and cultural history. American women from 1865 to present. African-American women and the women of various immigrant groups.

HST 350 Medieval History

Fall Semester, even years. 3 semester hours.

Political, social and economic changes from 450 to 1500.

HST 418 Independent Study

As announced. 1–3 semester hours.

Prerequisite: instructor permission and approval of Academic Performance Committee.

Independent reading and research of special topics.

HST 421 Senior Seminar

Fall Semester. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: senior standing or instructor permission

Research methods and directed individual research.

HST 422 Readings in History

As announced. 3 semester hours.

Prerequisites: instructor permission.

In-depth selected topics in American and European history.

Insurance and Risk Management

Business Administration Department

IRM 221 Principles of Insurance & Risk Management

Fall and Spring Semesters. 3 semester hours.

Prerequisites: BUS 212 recommended.

An introduction to the concept of risk, the process of risk management, and the field of insurance, including fundamental doctrines, historical background, social value, economic influence, loss exposures and protection, insurance regulation, insurance carriers, reinsurance, marketing, underwriting and claims adjusting. This course includes examination of the Michigan Essential Insurance Act and how this law addresses the social responsibility of the insurance business and its attempt to address social injustice. This course will also help students prepare for the INS 21 national examination administered by the Insurance Institute of America.

IRM 322 Personal Insurance

Fall Semester. 3 semester hours.

Prerequisites: IRM 221, cumulative GPA 3.0; BUS 212 recommended.

Designed to cover policy provisions and concepts common to various personal multiple-line property, casualty, life and health contracts. This course will also help students prepare for the INS 22 national examination administered by the Insurance Institute of America.

IRM 323 Commercial Insurance

Spring Semester. 3 semester hours.

Prerequisites: IRM 221, cumulative GPA 3.0; BUS 212 recommended.

Designed to cover policy provisions, and concepts common to various commercial multiple-line property and casualty contracts. This course will also help students prepare for the INS 23 national examination administered by the Insurance Institute of America.

IRM 324 PC Insurance Statutes & Service

Spring Semester. 3 semester hours.

Prerequisites: IRM 221, cumulative GPA 3.0.

This course examines The Michigan Insurance Code as it relates to the general provision of insurance regulation and laws pertaining to property and casualty insurance. Topics include a review of statutes on licensing, unfair trade practices, and insurers' authority to write business in the State of Michigan, the Essential Insurance Act, no-fault, workers compensation, the residual market in Michigan and the Michigan Guarantee Fund. This course also provides the foundations of customer service for the property and casualty insurance agency business. This course will also help students prepare for State of Michigan Property-Casualty Agents Licensing Examination.

IRM 330 Ethics and Presentations

Spring Semester. 3 semester hours.

Satisfies Service Learning requirement.

Prerequisites: IRM 221, cumulative GPA 3.0, junior standing or instructor approval; JMC 203 recommended.

This course explores the ethical philosophies found in the world of business, including an examination of corporate social responsibility. Interactive group learning with a major emphasis on oral presentation is designed to enhance skills in critical thinking and professional business communication. Concrete dilemmas invite participants to reflect on their own moral values and analyze them in a safe environment. The course culminates in presentations to groups outside of the Olivet College community.

IRM 350 Negotiation and Persuasive Presentations

Fall Semester. 3 Semester hours.

Prerequisites: IRM 323, cumulative GPA 3.0.

An examination of negotiating techniques, construction of a persuasive argument, assembly of information to support positions and proposals, use of spreadsheets and presentation software to create professional documents and presentations to support positions and proposals, such as the development of a new product or the sale of new insurance coverage to a risk manager or new exposure to an insurance/reinsurance underwriter.

IRM 418 Independent Study

1 to 3 semester hours.

Prerequisites: instructor permission and approval of course outline by Academic Performance Committee.

Offered as announced. Independent readings and research on special topics.

IRM 454 Risk Management

Fall Semester. 3 semester hours.

Prerequisites: IRM 221, IRM 323, BUS 316, BUS 317, MTH 232, cumulative GPA 3.0.

This course examines the process of risk management for a private firm in-depth using many of the concepts and tools studied in other insurance courses. Topics include the identification and analysis of loss exposures; examination of alternatives to traditional insurance; the use of forecasting, cash flow analysis and information systems in the risk management process. This course will incorporate the use of case studies and a risk management simulation “game” exercise. This course will also help students prepare for the ARM 54 national examination administered by the Insurance Institute of America.

IRM 482 Studies in Insurance & Risk Management: Variable Topics

As announced. 3 semester hours.

Prerequisites: IRM 221, 322, 323 cumulative GPA 3.0, and senior standing or instructor permission.

An examination of selected areas of concern or interest not intensively covered in other courses. The focus will be substantive as well as analytical. Topics may include such areas as further investigation into reinsurance, claims, commercial underwriting, surplus lines insurance, employee benefits, estate planning, ethics, financial analysis and management of insurance companies, risk management alternatives – financing or control, international risk management, or any other insurance topics where there is student interest or business community need. May be repeated for credit with a different topic.

IRM 483 Agency Operations

Fall Semester. 3 semester hours.

Prerequisites: IRM 221 cumulative GPA 3.0.

This course is designed to cover the operational management of an insurance agency. It examines all aspects of management such as personnel, sales and marketing. Further topics are agency image, legal and ethical practices. This course will also help students prepare for the AAI 83 national examination administered by the Insurance Institute of America.

IRM 490 Strategic Management of Insurance Enterprise

Spring Semester. 3 semester hours.

Prerequisites: IRM 221, MTH 232, and cumulative GPA 3.0; IRM 322 and 323 recommended.

This course examines the strategic management of an insurance company with a focus on financial management, U.S. regulation and an overview of operations in a global

marketplace – including consideration of differences in culture, language, regulations, laws and political risks. The core operations of marketing, underwriting, reinsurance, ratemaking and claims adjusting are studied. This course will incorporate the use of an insurance company financial management simulation “game” exercise. This course will also help students prepare for the CPCU 520 national examination administered by the American Institute for Chartered Property Casualty Underwriters.

Interdisciplinary Studies

Interdisciplinary Studies Department

IDS 109 Foundations of Writing I

Fall and Spring Semester. 3 semester hours.

A course that assists in developing effective written communication and critical reading skills. The focus is on enhancing grammar and mechanics skills and building awareness of techniques for developing paragraphs in various styles to accomplish specific communication goals. Essay development is also introduced.

IDS 110 Foundations of Writing II

Fall and Spring Semester. 3 semester hours.

Prerequisites: placement or a grade of C or higher in IDS 109.

A course that assists in developing effective written communication and critical reading skills. The focus is on enhancing grammar and mechanics skills and building awareness of techniques for developing paragraphs and essays in various styles for the accomplishment of specific communication goals.

IDS 111 Writing and Rhetoric I

Fall Semester. 3 semester hours.

Grammar, reading, writing and reasoning. In addition to these communication skills, both values-clarification and self-awareness are explored. To qualify for admission to Writing and Rhetoric, students must demonstrate a command of the most basic reading and writing techniques.

IDS 112 Writing and Rhetoric II

Fall and Spring Semesters. 3 semester hours.

Prerequisites: IDS 111 with C or higher.

Grammar, reading, writing and reasoning. In addition to these communication skills, both values-clarification and self-awareness are explored. To qualify for admission to Writing and Rhetoric, students must demonstrate a command of the most basic reading and writing techniques.

IDS 151 Self and Community

Fall and Spring Semesters. 3 semester hours.

A micro-community in the exploration of diverse points of view through small and large group dialogue. Through multiple pedagogues such as oral communication, writing, reading, listening and thinking, students will explore local and global connectors between individual and social responsibility in the context of “who am I?” and “who am I in the community?”

IDS 211 Civilization Studies

Fall and Spring Semesters. 3 semester hours.

Prerequisites: sophomore standing.

Training in research and geography with the study of major ideals, events and personalities from recorded history. The examination of social institutions is designed to enhance student skills in political analysis and critical thinking.

IDS 230 How to Change the World

As announced. 3 semester hours.

Satisfies Service Learning requirement.

Offers an introduction to philanthropy and social entrepreneurship. Students will study the world of non-profits, the grant proposal process, solicit RFP's and award funds to area charities from grant funds received for that purpose. The exploration of case studies where social entrepreneurs changed society for the better will also be included.

IDS 390 Cooperative Education

Fall and Spring Semesters, Intensive Learning Term and Summer. 1-15 semester hours.

Prerequisites: completed 30 semester hours with a 2.25 or higher cumulative GPA. Students must arrange this experience with the appropriate department chairperson before registering for this course.

An optional academic experience integrating classroom theory with practical work experience. Participating students are employed off-campus with businesses/organizations related to their career choice, or in an on-campus experience while completing their undergraduate course work.

NOTE: Students must register and pay for internship credits in the same semester as he or she is working. Credits cannot be deferred to a later semester.

IDS 399 Service Learning

Fall and Spring Semesters. 1-3 semester hours.

Satisfies Service Learning requirement.

Prerequisites: IDS 151 and IDS 112 with C or higher.

A service learning course that addresses community need and reinforces the college's focus on *Education for Individual and Social Responsibility*. With approval from advisor, students must determine a hands-on service project for a specific community as part of registering for

this course which must be completed during a semester. Prior to starting the service project, students are taught the definition of service learning, how service learning satisfying liberal arts core requirements, and how service learning differs from volunteerism.

IDS 499 Seminar

Fall and Spring Semesters. 1 semester hour.

Students are required to take the seminar every semester they are enrolled at Olivet College. Each program or major has its own seminar and students must take the seminar of the major they have declared. Seminars meet every Wednesday of the semester and during that time academic advising, portfolio development, program support and community building take place.

Journalism and Mass Communication Humanities Department

JMC 101 Introduction to Mass Communication

Fall Semester. 3 semester hours.

Satisfies Global Diversity requirement.

Overview of mass communication roles in global society, exploring books, newspapers, magazines, radio, television, film and new technologies. Emphasis on media literacy, impact and ethics.

JMC 105 Introduction to Oral Communication

Fall and Spring Semesters. 3 semester hours.

Purposes, functions and methods of oral communication. Practical application of both formal and informal oral communication.

JMC 200 Basic Reporting

Spring Semester. 3 semester hours.

Prerequisites: IDS 111 or instructor permission.

Observing, reporting and writing under deadline. Story types and structures, research, writing styles and interviewing, in addition to media law and ethics.

JMC 203 Public Speaking

Fall and Spring Semesters. 3 semester hours.

The study of oral communication in the public setting through understanding of the rhetorical skills of delivery, organization, language, and the application of this knowledge in presentation and evaluation of prepared informative and persuasive speeches.

JMC 205 Broadcast Production

Spring Semester. 3 semester hours.

Prerequisites: JMC 101.

Introduction to radio, television, Web and film broadcast production formats, techniques and equipment. Text and lab work.

JMC 210 Basic Reporting II

Fall Semester. 3 semester hours.

Prerequisites: IDS 111, JMC 200 with C or higher.

A continuation of Basic Reporting I, advancing professional writing skills in print and all other media, including beat reporting and investigative/critical thinking skills.

JMC 215 Broadcast Announcing

Fall and Spring Semesters, odd years. 3 semester hours.

Introduction to public speaking and broadcast announcing techniques as well as broadcast equipment. Includes interviewing, writing and speaking on microphone and camera. Text and lab work.

JMC 230 Broadcast Writing

Fall Semester, odd years. 3 semester hours.

Prerequisites: JMC 200.

Developing skills involved in writing for professional broadcast venues, including radio, television, film and Web, incorporating research-gathering techniques, project coordination, deadlines and presentation. Text and lab work.

JMC 240 Photography and Visual Communication

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Planning, taking, and editing photographs and visuals for mass communication. Includes the impact of photo and visual selection and layout as well as ethical decisions facing visual communicators. Students must provide materials and have a digital camera.

JMC 250 Photoshop

Spring Semester. 3 semester hours.

Prerequisites: JMC 200 or instructor permission.

Introduction to the functions, components, terminology, features and uses of Adobe Photoshop, focusing on the essential techniques and functions of the program. Course offers hands-on lectures, demonstrations and student projects. Students must have electronic storage media.

JMC 290 Practicum in Mass Communication

Fall and Spring Semesters. 1-6 semester hours.

Prerequisites: Instructor permission.

Guided practical on-campus experience in mass communication production. No more than six semester hours will count toward graduation for Journalism/Mass Communication majors.

JMC 300 Video Production

Fall and Spring Semesters. 3 semester hours.

Prerequisites: JMC 101 or instructor permission.

Introduction to digital videography and digital video editing skills and techniques. Students will receive classroom instruction and work individually or in teams to conceive, script, shoot and edit video projects related to journalism and mass communication.

JMC 305 Publication Design

Fall Semester, even years. 3 semester hours.

Satisfies Service Learning and Creative Experience requirements.

Prerequisites: JMC 200 or 290.

Readings, discussions and practice in publication design, in print and on-line publications. Conceiving and executing finished layouts and graphics. Appropriate software exploration. ART 311 may substitute for this course.

JMC 310 Editing

Fall Semester, odd years. 3 semester hours.

Satisfies Service Learning requirement.

Prerequisites: JMC 200 or instructor permission.

Critiquing and editing copy for print and broadcast. Focusing on accuracy (fact checking), grammar and layout.

JMC 390 Internship

Fall, Spring and Summer Semesters. 3-15 semester hours.

Prerequisites: JMC 101 or chairperson permission.

Professional experience with any appropriate communications-oriented organization. Proposed and initiated by student with approval from faculty adviser, department chair and prospective employer. Pass or Fail grade.

JMC 400 Mass Communication Theory

Spring Semester, odd years. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: JMC 101, 200 and 300 or instructor permission.

The study and analysis of theories and processes of mass communication. Lectures, research, presentations and projects will assist in learning how we communicate, motivate and advocate within our own society and within other cultures through mass media. Learn, analyze and test current theories and practices and apply that knowledge to prospective careers and endeavors.

JMC 418 Independent Study

As announced. 3 semester hours.

Prerequisites: JMC 101, 200 and 300; instructor permission; approval of course outline by the Academic Performance Committee.

Independent reading and research on some aspect of mass communication culminating in an individual project. Under the guidance of a journalism/mass communication instructor.

JMC 421 Mass Communication Law and Ethics

Spring Semester, even years. 3 semester hours.

Prerequisites: JMC 101, 200 and 300 or instructor permission.

Lecture and research into mass communication law and ethics with emphasis on libel, privacy, free press, copyright, broadcast and advertising regulation, court systems, indecency and obscenity, as well as ethical standards.

JMC 450 Special Topics in Media

As announced. 3 semester hours.

Prerequisites: JMC 101, 200 and 300, or instructor permission.

Courses developed by individual faculty members in order to: a) serve a specific student's needs; b) meet unforeseen or one-time curriculum, industry or college needs; or c) make use of an extraordinary staffing opportunity. Topics will be announced in advance of course registration.

Mathematics

Math and Computer Science Department

MTH 100 Basic Mathematics

Fall Semester. 3 semester hours.

Prerequisites: placement evaluation. This course does not satisfy the Mathematics Proficiency requirement.

A developmental course which reviews operations with integers, fractions and decimals, percents, radicals and geometry. An introduction to algebra, rules of exponents, solutions of linear equations and graphing.

MTH 109 College Algebra

Fall and Spring Semesters. 4 semester hours.

Prerequisites: placement evaluation. This course does not satisfy the Mathematics Proficiency requirement; intended for students who need additional algebra in preparation for more advanced mathematics, science, or social science courses.

Linear and quadratic equations, operations and equations involving polynomials, rational expressions, radicals, graphing equations, systems of equations and exponentials and logarithms.

MTH 120 The Nature of Mathematics

Fall and Spring Semesters. 4 semester hours.

Satisfies Mathematics Proficiency requirement with a grade of C or higher.

A survey course for non-mathematics majors. Number theory, combinatorics, probability, statistics, geometry, mathematics history and mathematical modeling.

MTH 150 Precalculus

Fall and Spring Semesters. 4 semester hours.

Satisfies Mathematics Proficiency requirement with a grade of C or higher.

Prerequisites: MTH 109 with a grade of C or higher or placement evaluation, or completion of two years of high school algebra.

Prerequisite for many mathematics and science courses.

Theory and application of trigonometric functions and their graphs, trigonometric identities and equations, inverse trigonometric functions. Polynomial, rational, exponential and logarithmic functions with an introduction to limits.

MTH 151 Calculus I

Fall and Spring Semesters. 4 semester hours.

Satisfies Mathematics Proficiency requirement with a grade of C or higher.

Prerequisites: MTH 150 with a grade of C or higher or placement evaluation.

Limit theory, differentiation, curve sketching, maxima and minima, related rates, definite and indefinite integrals and area and volume applications.

MTH 152 Calculus II

Fall and Spring Semesters. 4 semester hours.

Prerequisites: MTH 151 with a grade of C or higher or instructor permission.

Transcendental and hyperbolic functions, sequences and series, techniques of integration and polar coordinates.

MTH 232 Statistics

Fall and Spring Semesters. 4 semester hours.

Satisfies Mathematics Proficiency requirement with a grade of C or higher.

Prerequisites: MTH 109 or completion of two years of high school algebra.

Statistics and probability. Including measures of central tendency and dispersion, normal and binomial probability distributions, hypothesis testing, confidence intervals, correlation, regression and nonparametric tests. Statistical software introduction.

MTH 241 Probability

Spring Semester, even years. 3 semester hours.

Prerequisites: MTH 151 with a grade of C or higher or instructor permission.

Sample spaces, counting techniques, random variables, discrete and continuous probability distributions, expectation and conditional probability.

MTH 242 Discrete Mathematics

Spring Semester, odd years. 3 semester hours.

Prerequisites: MTH 150 with a grade of C or higher.

Discrete and combinatorial mathematics including: sets and relations, symbolic logic and Boolean algebra, graphs, digraphs, trees and its applications and finite state machines.

MTH 253 Calculus III

Fall Semester. 4 semester hours.

Prerequisites: MTH 152 with a grade of C or higher or instructor permission.

Vector analysis, partial differentiation, multiple integration, Green's Theorem and an introduction to differential equations.

MTH 315 Geometry

Fall Semester, even years. 3 semester hours.

Prerequisite: sophomore standing, MTH 151 with a grade of C or higher or instructor permission.

Euclidean and non-Euclidean geometry, rigid motion in the plane and modern topics such as fractals.

MTH 320 Linear Algebra

Spring Semester, even years. 3 semester hours.

Prerequisites: MTH 152 with a grade of C or higher.

Matrix algebra and its applications, determinants, vector spaces, linear transformations, orthogonality and eigenvalues.

MTH 354 Differential Equations

Spring Semester, odd years. 3 semester hours.

Prerequisites: MTH 253 with a grade of C or higher.

First order equations, linear second order equations, series solutions, systems of differential equations, higher order linear equations, numerical methods, applications, the Laplace Transform and an introduction to partial differential equations.

MTH 402 Complex Analysis

Spring Semester, odd years. 3 semester hours.

Prerequisites: MTH 253 with a grade of C or higher.

Complex functions, series representation, analytic and harmonic functions, complex differentiation and integration, residue theory and conformal mapping.

MTH 404 Math History

As announced. 2 semester hours.

Prerequisites: sophomore standing, MTH 151 or instructor permission.

History, development and significance of mathematical ideas.

MTH 405 Advanced Calculus

Spring Semester, even years. 3 semester hours.

Prerequisites: junior or senior standing, MTH 253 with a grade of C or higher, or instructor permission.

A rigorous topological approach to differential and integral calculus including Bolzano-Weierstrass and Heine-Borel Theorems, continuity, uniform continuity, and convergence and uniform convergence of series and functions.

MTH 418 Independent Study in Math

As announced. 1-3 semester hours.

Prerequisites: instructor permission and approval of course outline by the Academic Performance Committee.

Independent reading and research of special topics.

MTH 421 Seminar in Mathematics

As announced. 1-4 semester hours.

Prerequisites: instructor permission.

Research in varied areas of mathematics.

MTH 430 Abstract Algebra

Fall Semester, odd years. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: junior or senior standing, MTH 152 and 242 with a grade of C or higher.

Introduction to groups, rings, fields, congruence classes and unique factorization of polynomials.

Music

Performing Arts Department

MUS 111 Theory I

Fall Semester. 3 semester hours.

Theory I is an introductory class to the technical elements of music. Basic elements of pitch, rhythm, melody, harmony and musical structure are explored in this class. This class will focus on the fundamental aspects of major and minor key signatures, simple triads and seventh chords, voice leading and basics of functional harmony.

MUS 112 Theory II

Spring Semester. 3 semester hours.

Prerequisites: MUS 111 and 113.

All the elements of rhythm, melody, harmony and structure are studied in this class. This class will also explore aspects of harmonic progressions, seventh chords, modulations, secondary dominants and basic musical forms.

MUS 113 Aural Skills I

Fall Semester. 1 semester hour.

Corequisite: MUS 111.

This is an introductory course in the skills of sight singing and dictation, concentration upon simple diatonic melodies within the octave and basic rhythmic structures.

MUS 114 Aural Skills II

Spring Semester. 1 semester hour.

Co-requisite: MUS 112.

Prerequisites: MUS 111 and MUS 113.

Students will further develop their sight singing and dictation skills. Emphasis is given to minor keys and more complex rhythmic structures.

MUS 118/218/318/418 Private Lessons

Fall and Spring Semesters. 1 semester hour.

Prerequisites: audition for the Music Program and acceptance into the college.

The student will take private lessons in his/her major instrument, voice or musical composition.

MUS 120 Music and Culture

Fall and Spring semesters. 3 semester hours.

Satisfies Global Diversity requirement.

This course is a survey and analysis of global music that will examine the various aspects of music and culture in both western and non-western music, and in art music as well as

selected popular culture music and folk music idioms. It will also include an investigation of musical terminology, the structure of music and the various instruments.

MUS 141 Piano Class I

Fall Semester. 1 semester hour.

This class will focus on principles and techniques of classical, folk and popular piano. This course is open to all students.

MUS 142 Piano Class II

Spring Semester. 1 semester hour.

Prerequisites: MUS 141 and instructor permission.

This class will focus on advanced principles and techniques of classical, folk and popular piano.

MUS 143 Instrumental Methods

Fall Semester. 2 semester hours.

This course is an introductory class to the basic techniques of teaching the four orchestral stringed instruments. This class will emphasize development of basic performance skills and group rehearsal techniques.

MUS 144 Woodwinds Methods

Fall semester. 2 semester hours.

This is an introductory class to the basic techniques of teaching woodwind and brass instruments. This class will emphasize development of basic performance skills and group rehearsal techniques.

MUS 145 Instrumental Methods

Fall Semester. 2 semester hours.

This is an introductory class to the basic techniques of teaching percussion instruments. This class will emphasize development of basic performance skills and group rehearsal techniques.

MUS 150/250/350/450 Olivet College Choir

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

This choir is open to all students, faculty, staff and community members. This ensemble performs music of all historical periods and styles and performs throughout the academic year both on- and off-campus. The ability to read music is not mandatory, but basic singing ability is necessary.

MUS 151/251/351/451 Olivet College Chamber Singers

Fall and Spring semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Members of the Chamber Singers perform traditional music for chamber choirs as well as explore rarely performed music that requires a high level of

technical and musical proficiency. The Chamber Singers perform at on- and off- campus events. This course is open to all students. Enrollment is subject to audition.

MUS 152/252/352/452 Olivet College Women's Chorale

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: audition required.

Open to all women in the Olivet College community. This ensemble performs music of all historical periods and styles throughout the academic year both on and off campus. The ability to read music is not mandatory, but basic singing ability is necessary, and experience in this type of ensemble is preferred.

MUS 156 Vocal Pedagogy I

As announced. 1 semester hour.

Students will learn proper singing techniques and basic pedagogical methods of singing and teaching singing.

MUS 157 Diction and Repertoire Class

As announced. 2 semester hours.

This course will address the many intricacies and idiosyncrasies of the pronunciation of major European languages including Italian, German and French, as well as Latin. Students will become acquainted with the IPA system to help them learn foreign language pronunciation on their own. In addition, students will investigate the musical repertoire unique to their own voice as well as those of others.

MUS 160/260/360/460 Olivet College Wind Ensemble

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: Audition required.

The Olivet College Concert Band is an ensemble that offers wind players the opportunity to perform traditional band repertoire. This class is open to all students. Audition is necessary for seat placement.

MUS 161/261/361/461 Olivet College Chamber Ensembles

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: Audition required.

The Olivet College Chamber Ensemble offers students and community members the opportunity to perform chamber music with a wide variety of instruments. Students will develop skills of balance, leadership, control and independence. This course will demand practice outside of class meetings. Enrollment is subject to audition.

MUS 163/263/363/463 Olivet College Athletic Band
Fall and Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.

This group is made up of students and community members who desire to represent the college at gatherings, such as parades and sporting events, through music. This group will perform a wide variety of music, and work on marching routines and formations. There is an audition for placement.

MUS 164/264/364/464 Olivet College Drum Line
Fall and Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.

This percussion group performs a wide variety of music written for drum line, and will represent the college at various gatherings, such as sporting events. Enrollment is subject to audition.

MUS 165/265/365/465 Olivet College Jazz Group
Fall and Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.

Members of the Olivet College Jazz Group will explore the various styles and stages of development of jazz. It will focus on development of improvisation and jazz performance techniques. This course is open to all students and community members, and enrollment is subject to audition.

MUS 166/266/366/466 Opera and Musical Scenes Practicum
Fall and Spring Semesters (as announced). 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.
Prerequisites: audition required.

In this course students will learn, rehearse and perform scenes from opera, operetta and musical theatre in fully staged performances. Students will also be responsible for costuming, sets, props and working together as the stage crew. There will be public performances.

MUS 211 Theory III
Fall Semester. 3 semester hours.
Prerequisites: MUS 112 and MUS 114

This class will focus on chromatic harmony, altered chords, advanced secondary harmony, modal mixture and simple musical forms, as well as set theory and atonal music.

MUS 212 Theory IV
Spring Semester. 3 semester hours.
Prerequisites: MUS 211 and MUS 213

This class will explore aspects of advanced composition and analyses techniques with an introduction to Set Theory, and other methods of contemporary music theory analyses. Elements of musical form will also be addressed.

MUS 213 Aural Skills III
Fall Semester. 1 semester hour.
Corequisite: MUS 211.
Prerequisites: MUS 112 and 114.

Students will focus in the perception of rhythmic, melodic and harmonic changes, through sight singing and aural dictation. Emphasis is given to modulation to related keys and syncopation.

MUS 214 Aural Skills IV
Spring Semester. 1 semester hour.
Corequisite: MUS 212.
Prerequisites: MUS 211 and 213

Students will focus in perception of rhythmic, melodic, harmonic changes, through sight singing and aural dictation. Emphasis is given to mode, advanced modulations and complex rhythmic structures.

MUS 215 Performing Arts in the Elementary School
As announced. 3 semester hour.

This course is designed to prepare educators to integrate the performing arts of music, theatre and dance into daily classroom instruction, and to enable these future teachers to *promote elementary students' ability to create, perform and respond in and through the arts.* The course will introduce specific techniques, exercises and performance strategies which will augment and enhance the overall learning experience of elementary school students. Participants will use activities including dramatic and musical improvisation, movement, mime, eurhythmics and singing, as they work in a supervised classroom setting to gain first-hand experience with an elementary school population.

MUS 220 Women in the Arts
Spring Semester, even years. 3 semester hours.
Satisfies Global Diversity requirement.

Explores the role of women in various artistic fields, with particular emphasis placed on the performing arts of music, dance, and drama. Historical and contemporary personalities will be examined in terms of their contributions, and the evolution of roles will be addressed in terms of socio-cultural changes.

MUS 221 Comprehensive Music History I
Fall Semester. 3 semester hours.
Prerequisites: MUS 112.

This course will focus on music and literature from the Middle Ages and Renaissance through 1600. There is a strong emphasis on reading, listening, musical analysis, research and critical writing.

MUS 222 Comprehensive Music History II
Spring Semester. 3 semester hours.
Prerequisites: MUS 112.

This course will focus on music and literature from the Baroque and Classical periods. There is a strong emphasis on reading, listening, musical analysis, research and critical writing.

MUS 231 Introduction to Music and Computers

Spring Semester. 3 semester hours.

This course introduces students to the role of computers in the discipline of music. Topics include basic IBM and Macintosh orchestration.

MUS 244 Brass Methods

Spring Semester. 2 semester hours.

Prerequisites: MUS 144.

This class will explore techniques of teaching brass instruments. This class will emphasize development of performance skills and development of small and large group rehearsal techniques.

MUS 256 Vocal Pedagogy II

As announced. 2 semester hours.

Prerequisites: MUS 156.

This is a continuation of MUS 156, in which students will work in small groups and individually in simulated voice studio teaching with colleagues and voice faculty members. There will also be an opportunity for students to work with a conductor of one of the choral ensembles to warm-up and practice teaching proper singing techniques.

MUS 311 Form and Analysis

Spring Semester. 3 semester hours.

Prerequisites: MUS 212 or permission of the instructor.

This course is an introduction to the analysis of musical form, beginning with structural elements and proceeding to the analysis of classical forms, from simple song forms to smaller compound forms such as Minuet and Rondo. Other more advanced forms to be examined include: Sonata Form, Theme and Variations and Fugue.

MUS 312 Introduction to Composition and Orchestration

Spring Semester. 3 semester hours.

Prerequisites: MUS 212 or permission of the instructor.

An introduction to composition, students will be exposed to phrase structure, review aspects of harmony, counterpoint, and form in a variety of idioms through the composition of exercises and short compositions. Students will be required to compose musical works demonstrating a variety of techniques and skills. Principles of orchestration and instrumentation along with techniques in musical arrangements will be examined.

MUS 321 Comprehensive Music History III

Fall Semester. 3 semester hours. Alternating with MUS 221 Prerequisites: MUS 112.

This class will focus upon music and literature from the Romantic era (19th century) through the present day. There is a strong emphasis on reading, listening, score analysis, research and critical writing.

MUS 322 Comprehensive Music History IV

Spring Semester. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: MUS 112.

This class will focus on ethnomusicology: music of the world's people. Course will concentrate on non-western art music as well as various folk music idioms. There is a strong emphasis on reading, listening, score analysis, research and critical writing.

MUS 367 Conducting I

Fall Semester. 2 semester hours.

Prerequisites: MUS 212 or permission of the instructor.

This is an introductory class to basic elements of the techniques of conducting. The class will focus on basic conducting patterns, cueing, score reading, terminology, basic rehearsal techniques and stage presence. When appropriate, students will work in front of either a choral ensemble or instrumental ensemble at the college.

MUS 368 Conducting II

Spring Semester. 2 semester hours.

Prerequisites: MUS 212, MUS 367 or permission of the instructor.

This is the continuation of MUS 367. The class will focus in the vocal and instrumental applications of the conducting techniques. Elements of balance, transposition, orchestration, interpretation and leadership are explored in this class. The students will be able to work directly with the college vocal and instrumental ensembles to practice their technique in actual rehearsal and performance situations.

MUS 480 Special Topics in Music History and Literature

As announced. 3 semester hours.

Prerequisites: MUS 212 or permission of the instructor.

This provides an in-depth discussion of unique and timely issues in music history and literature, such as women in music, gender in music, music in the popular culture, the works of an individual composer (Bach, Beethoven, Richard Wagner, etc.), or of a specific genre (opera, symphony, American musical theatre).

MUS 497 Senior Experience

Spring Semester. 3 semester hours.

Satisfies Senior Experience requirement.

This course will help the student in preparation for and performance of a Senior Recital or a Senior Music Project approved by the faculty and Music Program Director.

MUS 498 Music Honors Course

Fall Semester. 3 semester hours.

This course is one in the sequence of two courses that students will take in the departmental honors program. It is designed by the individual student in conjunction with his/her faculty advisor in an advanced area of study.

MUS 499 Music Honors Course

Spring Semester. 3 semester hours.

This is the second course in the sequence of two courses that students will take in the departmental honors program. It is designed by the individual student in conjunction with his/her faculty advisor in an advanced area of study. Meeting times with the faculty instructor/advisor will be arranged at a time convenient to both student and faculty. There is paperwork to be filed by the student for this course.

**Philosophy
Humanities Department**

PHL 101 Introduction to Philosophy

Fall semester. 3 semester hours.

A study of the meaning, scope and history of philosophy from ancient to modern times. The major problems with which philosophy has concerned itself are surveyed, including such questions as: What is knowledge? How is truth established? What is the mind? Are ethics relative? Are human beings free?

PHL 102 Introduction to Ethics

Spring semester, even years. 3 semester hours.

Discusses questions about right, virtue and happiness, including the question, "why be moral?" The work of contemporary philosophers will be examined along with the work of great philosophers of the Western tradition, including Plato, Aristotle, Aquinas, Hume, Kant and Mill. The course will also serve as an introduction to various religious approaches to ethics.

**PHL 201 Western Philosophical Tradition:
Ancient and Medieval Philosophy**

As announced. 3 semester hours.

The study of philosophy through analysis of the writings and ideas of the earliest Western philosophers through those of the Middle Ages. Works to be examined include those of pre-Socratic philosophers, Plato/Socrates, and Aristotle, followed by the early medieval writing of Augustine and others. The works of the transitional philosophers of the thirteenth and fourteenth centuries, including John Duns Scotus, William of Ockham and Thomas Aquinas, will be examined as foundational for early modern philosophy.

**PHL 202 Western Philosophical Tradition:
Topics in Modern Philosophy**

As announced. 3 semester hours.

An investigation of selected philosophical topics, such as ethics, metaphysics and political philosophy, based on readings and discussions of the writings of selected philosophers.

Physical Education

Health and Human Performance Department

PE 101 Personal Fitness

Fall and Spring Semesters. 1 semester hour.

The practical knowledge of, and means by which to attain and assess, their desired level of cardiovascular fitness, body composition, flexibility, muscular endurance and muscular strength.

PE 102 Aerobics

Fall and Spring Semesters. 1 semester hour.

An activity-oriented class with group exercise routines. Emphasis is placed on improving physical fitness. Assessment techniques will be introduced so that individual progress can be monitored.

PE 103 Weight Training

Fall and Spring Semesters. 1 semester hour.

Basic aspects of proper weight training principles and techniques through lecture and laboratory sessions.

PE 104 Swimming

Fall and Spring Semesters. 1 semester hour.

An activity-oriented class - basic swimming principles, stroke and conditioning techniques. Skill work, games, other water activities and lectures.

PE 105 Pilates

Fall and Spring Semesters. 1 semester hour.

An activity-based class with focus on the body's core strength. Emphasis is placed on increasing flexibility while creating long and lean muscles.

**PE 106 Principles and Foundations of Health,
Physical Education, and Recreation**

Fall and Spring Semester. 3 semester hours.

An overview of historical, philosophical, sociological and psychological foundations of physical education and health. Topics include health and fitness promotion, lifestyle assessments, cardiovascular risk factors, lifestyle choices and professional competencies. Emphasis is placed on physical fitness and wellness, behavior and relationships, prevention and treatment of diseases/accidents/suicide, environmental issues, and health and legal aspects of physical education and health.

PE 107 First Aid

Fall and Spring Semesters. 2 semester hours.

The guidelines of the American Red Cross will be followed in providing certification in Standard First Aid, Cardi-Pulmonary Resuscitation (adult/child/infant), Automated External Defibrillators (AEDs) and preventing disease transmission. American Red Cross certification will be awarded to students completing the necessary requirements.

PE 108 Ballroom and Hustle

Fall and Spring Semesters. 1 semester hour.

This course is designed to teach two types of dancing, urban ballroom and hustle. Urban ballroom dancing is a couple or partner dance whose basic step is a 4 step cha-cha. Hustle is a type of line dance done individually, but in a group. Dances are taught in a “step-by-step” instructional method. These dances are fun and provide a social way of doing gentle exercises that will enhance both the mind and the body.

PE 110 Lifeguard Training

Intensive Learning Term. 3 semester hours.

Prerequisites: proficient swimming skills and instructor permission.

Minimum skill training for a person to serve as a non-surf lifeguard. American Red Cross certification will be awarded to students completing the necessary requirements.

PE 111 Yoga

Fall and Spring Semesters. 1 semester hour.

An activity based class designed to build the foundation of the beginning postures, alignment and breath awareness.

PE 112 Professional Rescuer

Intensive Learning Term. 3 semester hours.

Professional Rescuer meets the requirements for American Red Cross certification for individuals who have job-related duty to respond in an emergency. The course will include instruction in Emergency Response, CPR for the professional rescuer, automated external defibrillator essentials, oxygen administration, and preventing disease transmission.

PE 115 Water Safety Instructor (WSI)

Spring Semester, odd years. 3 semester hours.

Prerequisites: water safety skills and demonstration of stroke capability.

Skills necessary for swimming instructor qualification. American Red Cross certification will be awarded to students completing the requirements.

PE 120 Scuba Diving

As announced. 3 semester hours.

Prerequisites: equipment rental.

Certification in open water scuba diving. National Aquatics Underwater Instruction (NAUI) certification will be awarded to students completing the requirements.

PE 200 Theory of Coaching Basketball

Intensive Learning Term, as announced. 3 semester hours.

Technical, tactical, functional, psychological and physiological aspects of basketball.

PE 201 Theory of Coaching Baseball

Intensive Learning Term, 3 semester hours.

Technical, tactical, functional, psychological and physiological aspects of coaching baseball.

PE 202 Theory of Coaching Football

Intensive Learning Term, as announced. 3 semester hours.

Technical, tactical, functional, psychological and physiological aspects of football.

PE 203 Theory of Coaching Soccer

Intensive Learning Term, as announced. 3 semester hours.

Technical, tactical, functional, psychological and physiological aspects of soccer.

PE 204 Athletic Officiating

Fall Semester. 2 semester hours.

Procedures, techniques and ethics of officiating. Accommodates physical education teachers, coaches and those in recreational settings.

PE 206 Theory of Coaching Swimming and Diving

Intensive Learning Term, as announced. 3 semester hours.

Technical, tactical, functional, psychological and physiological aspects of swimming and diving.

PE 208 Theory of Coaching Wrestling

Intensive Learning Term, as announced. 3 semester hours.

Technical, tactical, functional, psychological and physiological aspects of wrestling.

PE 210 K-12 Physical Education

Fall and Spring Semesters. 2 semester hours.

The sequence and development of fundamental motor patterns including locomotor and non-locomotor skills for K-12 physical education students. Combines theory and technique to provide K-12 teachers with general knowledge of physical education activities.

PE 211 Theory of Teaching Team Activities

Fall and Spring Semesters. 2 semester hours.

Prerequisites: PE 210.

Fundamental techniques, instruction and strategies of team/group games.

PE 214 Theory of Teaching Individual Activities

Fall and Spring Semesters. 2 semester hours.

Prerequisites: PE 210.

Theory and applied techniques to provide teachers with general knowledge of physical education activities. Fundamental techniques and strategies of structured activities used in accepted physical education programs.

PE 215 Theory of Teaching Tumbling, Stunts and Rhythms

Spring Semester. 2 semester hours.

Prerequisites: PE 210.

Stunts, tumbling, and rhythmic fundamentals designed to be taught in approved physical education programs.

PE 217 Theory of Teaching Physical Fitness

Fall and Spring Semesters. 3 semester hours.

The benefits of the components of physical fitness (cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility), instructional techniques necessary to develop the individual components of physical fitness.

PE 301 Sports Psychology

Fall and Spring Semesters. 3 semester hours.

Fundamental concepts of coaching and underlying psychological factors of performance in competition. Topics include assessment, pre-season, mid-season, and post-season evaluation, audience effects and aggression and violence in sports.

PE 305 Organization and Administration of Physical Education

Fall and Spring Semesters. 3 semester hours.

Prerequisites: junior standing or instructor permission.

Designed to give students insight into the administrative aspects of physical education, intramural and inter-scholastic sports.

PE 307 Principles and Techniques of Conditioning

Spring Semester. 3 semester hours.

Prerequisites: PE 217.

Conditioning techniques and the application of those principles. Includes the training to perform physical fitness testing, interpretation of test results, and writing exercise prescriptions for clients who wish to improve cardiovascular conditioning and/or strength conditioning.

PE 310 Measurement and Evaluation in Health, Physical Education and Recreation

Fall Semester. 3 semester hours.

Prerequisites: MTH 120, or equivalent, PE 217.

Evaluation principles and techniques in Health, Physical Education and Recreation. Topics covered include criteria for selecting tests, descriptive, inferential and predictive statistical techniques and their applications; and tools for assessing health fitness, fundamental skills, sport skills, cognitive skills and psychological attitudes.

PE 320 Motor Learning

Spring Semester. 3 semester hours.

Prerequisites: HWL 260, PE 401, junior standing or instructor permission.

Psychological and neurological mechanisms involved in the acquisition of motor skills. Emphasis on designing classes and practices which optimize the acquisition of motor skills.

PE 400 Strength and Conditioning Instructor Training

As announced. 3 semester hours.

Prerequisites: PE 307.

Prepares students to sit for the certification exam (National Strength Conditioning Association). Examines proper techniques and training in the use of various types of weight training equipment. Combines theory and the application of training methods and regimens.

PE 401 Kinesiology

Fall and Spring Semesters. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: HWL 260 with a grade of C or higher, junior standing or instructor permission.

Applied anatomy and physics examining the specific functions of the musculoskeletal system and the physical laws which govern human motion.

PE 405 Exercise Physiology

Fall and Spring Semesters. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: PE 217, junior standing or instructor permission.

In-depth examination of the physiological systems of the body, and their responses and adaptations to specific stresses placed on them during exercise.

PE 410 Sport Philosophy and Ethics

Spring Semester. 3 semester hours.

Prerequisites: PE 101, PE 305, junior standing or instructor permission.

Understanding and application of ethical theory and principles of moral reasoning to the analysis of issues and dilemmas in physical education, leisure and sport.

PE 420 Biomechanics

As announced. 3 semester hours.

Prerequisites: PE 401.

Mechanical laws as they relate to the human body in motion, and the study of techniques as they relate to internal and external forces acting on the body during performance.

PE 425 Sports Law

Fall Semester. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: PE 106, PE 305, junior standing or instructor permission.

Legal aspects in teaching, coaching and administrative physical education, recreation and athletic programs in secondary, post-secondary and community settings. The nature of the athletic system and the law pertaining to sport activities with an emphasis placed on prevention of lawsuits through planning, policy development and communication.

Physics

Natural and Physical Sciences Department

PHA 201 College Physics I

Fall Semester. 3 semester hours.

Satisfies Natural World requirement.

Prerequisites: C or higher in MTH 150.

Corequisite: PHA 203.

This is an algebra-based course which provides a rigorous examination of the following physical phenomena and systems: 1) mechanics (forces, kinematics of motion, conservation of energy and momentum, collisions and rotational systems) and 2) selected topics from molecular physics and heat (physics of solids and fluids, thermal physics and thermodynamics).

PHA 202 College Physics II

Spring Semester. 3 semester hours.

Satisfies Natural World requirement.

Corequisite: PHA 204.

Prerequisites: C or higher in PHA 201 and 203.

A continuation of College Physics I. This course is algebra-based and provides a rigorous examination of the following physical phenomena and systems: 1) electricity and magnetism, 2) geometric optics, 3) light and color and 4) selected topics from waves and sound.

PHA 203 College Physics Laboratory I

Fall Semester. 1 semester hour.

Corequisite: PHA 201.

Prerequisites: C or higher in MTH 150.

This is the companion laboratory course to College Physics I and reinforces concepts studied in lecture. Basic laboratory skills are developed. Students use modern instrumentation methods to explore and analyze scientific measurements. Students will be able to study quantitatively, and in detail, many of the mechanical systems which are presented in the lecture.

PHA 204 College Physics Laboratory II

Spring Semester. 1 semester hour.

Corequisite: PHA 202.

Prerequisites: C or higher in PHA 201 and 203.

This is the companion laboratory course to College Physics II and reinforces concepts studied in lecture. The topics of electricity and magnetism, electrical circuits and optics are explored. Physical phenomena are studied and measured at a more advanced level, including techniques currently employed in modern physics. A major goal of the course is to develop skills in the measurement of physical phenomena.

PHA 251 Physics I

As announced. 5 semester hours.

Prerequisites: MTH 151 or equivalent.

The first of a two-course sequence for students of the quantitative sciences, mathematics or engineering. Mechanics, thermodynamics, waves, electricity and magnetism using applied Calculus. Laboratory.

PHA 252 Physics II

As announced. 5 semester hours.

Prerequisites: PHA 251.

Electromagnetic waves, optics, special relativity, elementary particles, quantum phenomena and atomic structure using applied Calculus. Laboratory.

Political Science

Social Science Department

POS 201 American Government — National

Fall Semester. 3 semester hours.

Fundamentals of the national government.

POS 202 American Government — State and Local

Spring Semester. 3 semester hours.

Fundamentals of state and local government.

POS 305 American Constitutional History

Fall semester, odd years. 3 semester hours.

Prerequisites: three semester hours of American history or government.

American constitutional development with emphasis on the 20th century.

POS 310 Michigan Government and Politics

Fall Semester, even years. 3 semester hours.

Prerequisites: POS 201 and 202.

The structure and activity of public agencies in the executive branch, personnel management. Budgeting, the judicial system, the legislative system, and the role of the public and private interests which inhabit the Michigan Capitol.

POS 316 Modern Russia

Fall Semester, even years. 3 semester hours.

Prerequisites: sophomore standing

From the Romanovs through to the Bolshevik Revolution, the emergence of the Soviet Union as a world power, and the breakup of the Soviet Union. Emphasis on Stalinist period, the Post-Stalinist period, the Gorbachev era and changes in the past few years.

POS 317 American Foreign Policy in the 20th Century

Fall Semester, odd years. 3 semester hours.

Prerequisites: HST 202 or instructor permission.

Emergence of the U.S. as a world power from 1898 to present.

POS 320 The Legislative Branch: The Working Congress

*Fall Semester, odd years. 3 semester hours.
Prerequisites: POS 201 and 202.*

Process and factors which comprise the legislative process. Including the media, interest groups, lobbyists, the party structure, the people and other influences.

POS 321 The Judicial Branch: the Supreme Court, Law, and the Legal Process

*Spring Semester, even years. 3 semester hours.
Prerequisites: POS 201 and 202.*

Courts, litigation, the law as a body of information and specific issues of law. The relationship of the judiciary to the executive and legislative branches of the national government.

POS 330 Public Administration, the Courts, Law Enforcement and the Police

*Spring Semester, even years. 3 semester hours.
Prerequisites: POS 201 and 202 and approval of course by the Academic Performance Committee.*

The structure and activity of public agencies, personnel management, budgeting, the judicial system, courts, litigation and the law.

POS 418 Independent Study

*As announced. 1-3 semester hours.
Prerequisites: instructor permission.*

Reading and research of special topics.

Psychology

Social Science Department

PSY 110 Introduction to Psychology

Fall and Spring Semesters. 3 semester hours.

This is a survey course introducing students to many of the discipline's subfields (e.g., developmental, neuroscience, learning, cognition, social, abnormal) with an emphasis on psychology as a science.

PSY 120 Positive Psychology

Fall Semester, even years. 3 semester hours.

Positive psychology studies the nature of happiness and psychological well-being. Such topics discussed include happiness, life satisfaction, creativity, wellness, love, self-actualization, wisdom and character strengths and virtues.

PSY 215 Sexuality and Gender Identity

*Intensive Learning Term every third year. 3 semester hours.
Prerequisites: PSY 110 with C or higher.*

This course provides students an understanding of the societal and historical course of sexuality, the role sexuality plays in the development of one's identity, the relationship between sexuality, ethnicity, race, and culture and the

developmental course of sexuality from childhood through adulthood. Students also learn the distinction between biological sex and gender, the social construction of gender roles, and an understanding of one's own gender identity.

PSY 220 Cinematic Portrayal of Psychology

*Intensive Learning Term every third year. 3 semester hours.
Prerequisites: PSY 110 with C or higher.*

This course surveys the ways psychology has been historically depicted in film. Students watch several films followed by discussions and an analysis of the accuracy of their psychological depictions.

PSY 225 Cross-Cultural Psychology

*Intensive Learning Term every third year. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: PSY 110 with C or higher.*

This course investigates the role cultural factors play in influencing patterns of behavior. Specifically, students will learn about the diversity of human behavior in different cultural settings and countries. Travel to observe different cultures may be a part of the course.

PSY 235 Intimate Relationships

*Fall semester, odd years. 3 semester hours.
Prerequisites: PSY 110 with C or higher.*

The focus of the course is the study of adult friendships and heterosexual and same-sex romantic relationships. Students learn how psychologists scientifically study intimate relationships, why we are attracted to some people and not others, the differences between same-sex and heterosexual romantic relationships, why some relationships end while others persist, and how interpersonal communication, power, and jealousy affect intimate relationships.

PSY 270 Social Psychology

*Spring Semester. 3 semester hours.
Prerequisites: PSY 110 with a C or higher.*

Social psychology is the scientific study of how social situations influence the thoughts, feelings, and behaviors of individuals. Topics covered include attitude formation and change, conformity, aggression, pro-social behavior, interpersonal attraction, the formation and maintenance of relationships, group structure and dynamics, and social perception.

PSY 305 Cognition

*Spring Semester, even years. 3 semester hours.
Prerequisites: C or higher in both PSY 110 and IDS 112 and junior standing.*

Students learn about mental processes we employ to perceive the world around us, the ways in which we attend to stimuli, what we remember and why we forget, as well as how language develops and how we go about solving problems and making decisions.

PSY 306 Learning and Behavior

Fall Semester, even years. 3 semester hours.

Prerequisites: C or higher in both PSY 110 and IDS 112.

Students learn the basic principles of learning and behavior modification. Theories such as classical conditioning and operant conditioning are emphasized.

PSY 314 Development Across the Lifespan

Spring Semester. 3 semester hours.

Prerequisites: C or higher in both PSY 110 and IDS 112 and junior standing.

This course focuses on the biopsychosocial development across the lifespan (from birth to death). Major theories in the field of developmental psychology are explored and students complete several applied projects.

PSY 319 Personality Theories

Spring Semester, odd years. 3 semester hours.

Prerequisites: C or higher in both PSY 110 and IDS 112 and junior standing.

The course surveys various theoretical conceptions of personality and the different types of data upon which they are based. Each approach is evaluated critically in light of its ability to scientifically explain both the uniqueness of individual patterns of behavior and the personality characteristics common to all humans.

PSY 320 Topics in Criminology

Fall and Spring Semesters. 3 semester hours.

Prerequisites: PSY 110 with C or higher, and SA 201, 203, or CJ 210.

Psychological perspectives of a theme or issue regarding violence and criminal behavior. Emphasis on interaction of social and psychological factors which maintain or produce violent, antisocial, or other criminal behaviors. Includes victimology, abnormalities and crime, forensic psychology and other topics as expertise and interests allow. Topic as announced; may be repeated with different topic.

PSY 325 Abnormal Psychology

Fall Semester. 3 semester hours.

Prerequisites: C or higher in both PSY 110 and IDS 112 and junior standing.

A survey of psychological disorders, with a special emphasis upon disorders of personality and effect, including depression, suicide and identity. Discussion includes biological, genetic and learned precursors, historically important views and theories.

PSY 330 Social Science Statistics

Fall Semester. 3 semester hours.

Satisfies Mathematics Proficiency requirement with a grade of C or higher.

Prerequisites: C or higher in PSY 110.

Students learn how social scientists use statistics as a "tool" for understanding research. The course focuses on both descriptive and inferential statistics. Students also learn how to write APA "Results" sections and SPSS.

PSY 345 Introduction to Neuroscience

Fall Semester, odd years. 3 semester hours.

Cross-listed: BIO 345.

Prerequisites: C or higher in both PSY 110 and PSY 120.

An introduction to the biology of the nervous system and behavior, including nervous system functions and disorders, environmental impacts and genetic development. Topics include nerve transmission, impacts of body cycles on behaviors, psychopharmacology, abnormalities of development, major psychological problems and links between humans and our animal "roots."

PSY 390 Research Methods

Spring Semester. 4 semester hours.

Prerequisites: C or higher in PSY 110, PSY 330, and IDS 112.

Students learn how to conduct research in psychology. Students will design their own study, collect data, and write a research report. Students will also present their research via posters.

PSY 403 Psychology Practicum

Fall and Spring Semesters. 1-6, with only 3 credits applying to psychology major requirements.

Satisfies Service Learning requirement.

Prerequisites: PSY 110 with a C or higher, junior standing and instructor permission.

This course provides undergraduate psychology students the opportunity to gain hands-on experience working in clinical or research settings. At clinical settings, students will observe and assist in the provision of psychological services such as testing, teaching, counseling, and advising. Working under the supervision of a qualified professional, students will be given tasks that are within the scope of their abilities and training. This course will also expose students to professional issues and problems in the delivery of psychological services. Class time will primarily be spent discussing your experiences, challenges, and personal and professional accomplishments related to the practicum.

PSY 418 Independent Study: Readings

Fall and Spring Semesters. 3 semester hours.

Prerequisites: C or higher in PSY 110 and IDS 112, junior standing, and instructor approval.

Under direct supervision of a faculty mentor, students learn about a specific area of study in the field of psychology through primary source readings.

PSY 419 Independent Research

Fall and Spring Semesters. 1-6 semester hours.

Prerequisites: C or higher in PSY 110, PSY 330, PSY 390, and IDS 112, junior standing and instructor approval.

Students design and carry out their own research project under the supervision of a faculty mentor. Students fulfilling Honors Program/portfolio requirements are advised to take this class.

PSY 420 Counseling & Psychotherapy

Spring Semester. 3 semester hours.

Prerequisites: C or higher in PSY 110, PSY 325, and IDS 112 and junior standing.

A survey of individual and group counseling techniques and theories, including psychodynamic, humanistic, behavioral and cognitive therapies. Activities include discussions, demonstrations of methods, and applications to different ages, the developmentally disabled and cross-cultural counseling. Activities include discussion and demonstrations to understand techniques, treatment and practitioner ethics.

PSY 425 Industrial/Organizational Psychology

Fall Semester, odd years. 3 semester hours.

Prerequisites: C or higher in PSY 110, PSY 270, and IDS 112.

Industrial-organizational psychology is the scientific study of the workplace. Students learn how psychologists assist with issues of critical relevance to business, including talent management, coaching, personnel selection, training, worker productivity, job satisfaction, leadership, and group behavior within organizations.

PSY 430 Health Psychology

Fall Semester, even years. 3 semester hours.

Prerequisites: C or higher in PSY 110 and IDS 112.

Understanding the role psychological factors play in the prevention and treatment of illness is the focus of health psychology. Topics discussed include stress and coping and the psychological and behavioral aspects of physical and mental health.

PSY 450 Special Topics in Psychology

Fall and Spring Semesters. 1-3 semester hours.

Prerequisites: PSY 110 with a grade of C or higher and instructor approval.

Courses developed by individual faculty members and approved by the department: (1) in the instructor's special field or interest, (2) by student's request, or (3) to meet rapidly changing curriculum and/or college needs.

PSY 460 Historical & Philosophical Roots of Psychology

Spring Semester, even years. 3 semester hours.

Prerequisites: C or higher in PSY 110 and IDS 112 and junior standing.

Students learn the history of psychology as well as contemporary issues in the field.

PSY 490 Senior Seminar in Psychology

Fall Semester. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: C or higher in PSY 390 and PSY 460 and senior standing. Must take during fall semester of graduation year.

This capstone course prepares students for graduate study and/or employment. Students also integrate their learning of psychology to date through assigned readings and discussions. Reflection on their undergraduate experience at Olivet College is also a central focus of the course.

Recreation

Health and Human Performance Department

REC 120 Introduction to Leisure Services and Administration

Fall Semester. 3 semester hours.

An overview of recreation definitions, theories, practices and organization. Principles and practices of program planning, implementation and evaluation will be combined with discussions of leadership styles and administrative duties. Community and school recreational programming and leadership are emphasized.

REC 250 Outdoor Recreation - Wilderness/Commercial Intensive Learning Term. 3 semester hours.

Skills required to survive in, enjoy, and preserve our outdoor resources will be explored. Attention to trip preparation, equipment needs, packing efficiently, humans in nature and outdoor recreation/survival skills. Emphasis on outdoor recreational activities such as hiking, biking, camping, fishing, canoeing and backpacking.

REC 400 Leisure Activities for Special Populations

Spring Semester. 3 semester hours.

Satisfies Service Learning requirement.

Prerequisites: REC 120 or 250, junior standing or instructor permission.

Understanding physical and mental challenges that some of our population face. Examines how these challenges affect motor learning, performance, and ultimately, the ability to participate in recreational activities. Challenge without humiliation. Motivate and encourage participation.

Religious Studies and Ethics

Humanities Department

REL 101 Religion and the Quest for Meaning

Fall Semester, odd years. 3 semester hours.

An exploration of the religious dimension in the human experience. The class will address such questions as: What is the role of the sacred in human life? How do human beings understand and encounter the holy? The nature and role of religious beliefs, rituals and practices in a cross-cultural context will be explored. Students will also examine various theories and methods in the academic study of religion.

**REL 210 Introduction to the Old Testament/
Hebrew Bible**

Fall Semester, even years. 3 semester hours.

A critical introduction to the Old Testament/Hebrew Bible, examining its key theological themes, literary forms, and critical content. Attention will be given to the institutions, religion and national life of the Hebrew people, including the history of Israel from the Exodus to the rise of the Pharisees.

REL 211 Literature of the New Testament

Spring Semester, odd years. 3 semester hours.

An introduction to the critical study of the New Testament, including investigation into the historical background and messages of the New Testament books. Students will examine the Synoptic Gospels, Paul's Epistles, Revelation, and other books of the New Testament. The compilation of writings into what we now consider as the Christian canon will also be explored, asking the questions: what was included; what was excluded; and why?

**REL 220 History of Christianity I: Early
Christianity to the Reformation**

Fall Semester, odd years. 3 semester hours.

An examination of the evolution of Christianity from its origins in early Christian communities of the Greco-Roman world through the times of the Reformation. The course will explore the spread of Christianity beyond the bounds of the Roman Empire through much of Europe, and examine the changes and developments within Christianity through medieval and early modern times.

**REL 221 History of Christianity II: The
Reformation to the Present**

Spring Semester, even years. 3 semester hours.

An examination of the historical developments within Christianity from the time of the Reformation to the present. The spread of Christianity from Europe and the Near East to Asia, Africa, and the Americas will be examined. The varied expressions of Christianity in today's global context will also be explored, including the effects of post-colonialism, modernization, and globalization upon Christian theology and practices today.

REL 260 World Religions I: Eastern Traditions

Fall Semester, even years. 3 semester hours.

Satisfies Global Diversity requirement.

An investigation into the history and beliefs of contemporary Eastern religions and their relationship to the societies in which they have developed. Particular focus upon Hinduism, Buddhism, Jainism, Confucianism, and Shinto.

REL 261 World Religions II: Western Traditions

Spring Semester, odd years. 3 semester hours.

Satisfies Global Diversity requirement.

An investigation into the history and beliefs of contemporary Western religions and their relationship to the societies in which they have developed. Particular focus upon Judaism, Christianity, and Islam, and the indigenous traditions of the West.

REL 315 The Bible and Ethics

Fall Semester, odd years. 3 semester hours.

An exploration of various approaches to the use of the Bible in ethical reflection and deliberation. The various contexts for the use of scripture in ethics will be examined, including the four-sector model of moral methodology. Differences between Catholic and Protestant approaches to the use of scripture in ethics/moral theology will also be explored.

REL 330 Gender, Sexuality and Religion

Spring Semester, even years. 3 semester hours.

Satisfies Global Diversity requirement.

The interaction of religion, gender and sexuality will be explored through a cross-cultural, multi-religious perspective. Religious approaches to the ethics of sexuality and gender will be examined. The complexities of these relations as they are impacted by the politics of race, class, colonialism, and the globalization of religions will also be explored.

REL 335 Rights, Reason and the Common Good

Spring Semester, odd years. 3 semester hours.

Prerequisites: PHL 102 or permission of the instructor.

An exploration of the complex relationship between the core Western cultural ideals of individual rights and the common good. The course will examine both religious and secular perspectives of the common good, as well as of rights and human reason. The complexities of arriving at a shared understanding of the common good within a religiously pluralistic society will be explored. Particular cases in American public life in which the tensions between these ideals will be examined.

REL 350 Biomedical Ethics

Fall Semester, even years. 3 semester hours.

Prerequisites: PHL 102, an introductory course in the sciences, or permission of the instructor.

A study of the ethical principles, paradigms and values informing decisions in the medical and biological sciences, with a focus on the health care professions. The course format will include numerous actual and hypothetical cases. Topics covered could include physician-assisted suicide, organ transplantation, abortion, cloning and artificial reproduction, termination of life-sustaining medical treatment, and the allocation of medical resources.

REL 365 Earth-Based Religions and Spirituality

*Spring Semester, odd years. 3 semester hours.
Satisfies Global Diversity Requirement.*

An exploration of historical and contemporary expressions of religions and spiritualities based upon a reverence for the earth or nature. Topics covered will include the philosophies, worldviews, theologies/theologies, ethical systems, and practices of contemporary earth-based religions. Particular attention will be given to modern expressions of Pagan, shamanistic, and Wiccan traditions. Pantheistic strains in traditional Eastern and Western religions will also be explored.

REL 470 Independent Study

*As announced. 1-3 semester hours.
Prerequisites: instructor permission and approval of Academic Performance Committee.*

Independent reading or research on special topics in religious studies and ethics.

REL 490 Special Topics

As announced. 3 semester hours.

Course developed by an individual faculty member on a particular topic in religious studies and/or ethics. Topic will be announced in advanced.

Science

Natural and Physical Sciences Department

SCI 102 Biological Science

*Fall and Spring Semesters. 3 semester hours.
Satisfies Natural World requirement.*

Introduction to the major concepts of biology at the cellular, organismal and population levels. Topics include the basics of cell structure and function, physiology, genetics, biological diversity and ecological and evolutionary principles. Emphasis is given to the place of humans in the biological world. SCI 102 does not count towards biology major or secondary integrated science major.

SCI 103 Introductory Astronomy

*Fall and Spring Semesters. 3 semester hours.
Satisfies Natural World requirement.*

An introduction to modern astronomy. Topics include stars, constellations, galaxies, planetary systems and cosmology. Laboratory experiences incorporate the use of the planetarium and Beman Observatory.

SCI 105 Introductory Geology

*Fall Semester. 3 semester hours.
Satisfies Natural World requirement.*

An introduction to science through geology: the study of the composition and structure of the earth, the geologic processes affecting the earth's crusts and interior, and the major principles and theories of the discipline. Laboratory includes examination of rocks and minerals and the interpretation of geological maps.

SCI 107 Environmental Science

*Fall and Spring Semesters. 3 semester hours.
Satisfies Natural World requirement.*

A survey of the major environmental issues of today, including pollution, toxic and solid waste, endangered species, habitat destruction and global warming. The course includes scientific, political, social and economic aspects of these issues and emphasizes problem-solving and solutions on a global, national and individual level. Field trips and laboratory exercises are an important part of the learning process.

SCI 111 Introduction to Chemistry

*As announced. 3 semester hours.
Satisfies Natural World requirement.*

A study of major themes in chemistry including atomic structure, chemical compounds, stoichiometry, acids and bases, gas laws, equilibrium and chemical reactions. Students investigate the major themes of chemistry as they relate to culture and society.

SCI 112 Introduction to Physics

*Spring Semester. 3 semester hours.
Satisfies Natural World requirement.*

A single semester survey of physics designed for students who seek experience in the physical sciences. It provides study of major themes in physics including mechanics, electromagnetism, optics, waves and thermodynamics. The course is a mix of lecture, in-class laboratory exercises and demonstrations, and is particularly designed to prepare the elementary science teacher.

SCI 201 Physical Geography

Spring Semester. 3 semester hours.

Basic knowledge of the Earth in relation to the physical environment. Climate, soil, solar energy, atmospheric pressure systems, weathering, glacial systems and coastal landforms.

SCI 210 Physical and Earth Science for Elementary Teachers

*Fall and Spring Semesters. 4 semester hours.
Satisfies Natural World requirement.
Prerequisites: MTH 120 or equivalent with C or higher.*

This course covers major unifying concepts in the physical and earth sciences. Topics include major themes in physics and earth/space, including matter, mechanics, electromagnetism, optics, waves and energy, with an emphasis on cross-disciplinary interrelationships. Applications of physics to earthquakes, weather and implications for technology and society are addressed. The course emphasizes open-ended scientific investigation and is designed to prepare the elementary science teacher.

SCI 251 Nature, Technology and Humanity

Fall and Spring Semesters. 3 semester hours.

Satisfies Natural World requirement.

Prerequisites: C or higher in IDS 112.

A thematic look at the relationship among nature, technology and our everyday lives. Topics explored include contemporary health and environmental issues from a personal, local and global viewpoint. Emphasis is on critical analysis of information and application of knowledge to solutions for real world problems.

SCI 302 Environmental Law

As announced. 3 semester hours.

Satisfies Service Learning requirement.

An introduction to laws, regulations, rules and statutes that pertain to the environment and how and why many of these laws came into effect. The object is to give the student a basic understanding of environmental law. The student will get a basic introduction to the judicial system of the United States and to the International Courts. Students will also consider the effect that the controversy surrounding environmental issues has on the law and society.

SCI 350 Gender, Race and Science

As announced, odd years. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: BIO 111 and 112, and IDS 111 and 112.

The impact of science on societal perceptions of race and gender, and the impact the social constructs of race and gender have on scientists and the conduct of science. Historical and modern treatments of gender and race by the scientific community as well as the experiences of women and other underrepresented groups in the sciences.

SCI 410 Topics in Science

As announced. 1-3 semester hours.

Variable topics course focusing on current issues in science.

SCI 415 Service Learning in Science

Fall and Spring Semesters. 3 semester hours.

Satisfies Service Learning requirement.

The purpose of this course is to deliver a more coherent and meaningful service learning experience to junior and senior students. In addition to fulfilling the Liberal Arts Core requirement of service learning, the course offers students a context for what it means to engage in service and provides an opportunity to discuss and share with others their personal experiences. The course allows for more active engagement, feedback and oversight with the instructor.

SCI 490 Internship in Allied Health

Fall and Spring and Summer Semesters. 3 semester hours.

Prerequisites: approval of the Pre-Nursing Program director.

Satisfies Natural World requirement.

This internship provides the student with practical experience at an assigned location with supervision by allied health practitioners.

Social Studies

Social Science Department

SS 300 Social Studies for Elementary Teachers

Fall Semester. 3 semester hours.

An interdisciplinary course comprising selected topics in economics, geography, history, civics and government integrated into an overview of the structure of respective disciplines, and designed to provide solid content background and resources for elementary school teachers. The course is a framework for understanding the development of history and its impact on the larger community, the development of individual rights and societal structures, and concepts that explain human needs and wants and their relationship to their environment.

Sociology and Anthropology

Social Science Department

Prerequisites for courses in Sociology/Anthropology:

All classes at or above the level of SA 300 require the completion of IDS 112 with a grade of C or higher. Unless otherwise noted or modified below, prerequisites for courses numbered above SA 300 require six hours of 200-level course work in sociology/anthropology, psychology, gender studies or criminal justice, or, permission of the instructor.

SA 200 Introduction to Theory in Sociology/Anthropology

Fall Semester. 3 semester hours.

Introduction to historic and current theory in Sociology/Anthropology. Students will also begin to inquire into how theory applies to social justice by applying theory to various areas of concern within society.

SA 201 Myth, Symbol and Meaning

Intensive Learning Term, odd years. 3 semester hours.

Satisfies Global Diversity requirement.

Students will be expected to develop awareness of:
1) The message below the medium and the effect on society/culture. 2) How manipulation of symbols affects individuals, society and culture. 3) How myths and rituals provide infrastructure and support for society/culture.

SA 203 Childhood and Culture

*Spring Semester, even years. 3 semester hours.
Satisfies Global Diversity requirement.*

Students will assess how children become members of particular societies and cultures and the effect of society and culture (and subculture) on children.

SA 300 Conflict and Cooperation

*Fall Semester, even years. 3 semester hours.
Prerequisites: sophomore status, IDS 112 with a C or higher, no prior Sociology/Anthropology course work required.*

Course is practice based. Focus is on managing and resolving conflicts between groups. Students learn how to facilitate dialogue groups in the course of the semester. This course is highly recommended for education and business students.

SA 302 Topics in Inequality: Gender

*Spring Semester. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher, six semester hours of 200 level coursework in Sociology/Anthropology, Psychology, gender studies or criminal justice.*

Course explores causes of cultural and social inequality that are gender-based. Students will study the effect of inequality on individuals, societies and cultures. (Students may take both sections of SA 302).

SA 302 Topics in Inequality: Race and Ethnicity

*Fall Semester. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher, six semester hours of 200 level coursework in Sociology/Anthropology, Psychology, gender studies or criminal justice.*

Course explores causes of cultural and social inequality that are based on race and/or ethnicity. Students will look at the effect of inequality on individuals, societies and cultures. (Students may take both sections of SA 302).

SA 304 Sport, Culture and Society

*Spring Semester. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher.*

Cross-cultural study of the role of sport in societies. This class is a recommended elective for the HHP Department.

SA 305 People, Resources and the World

*Spring Semester, odd years. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 151 and IDS 112 with C or higher.*

Micro and macro explorations of resource-related issues including development, environment, health and social justice.

SA 306 Religions and Social Order/Disorder

*Spring Semester, odd years, as announced. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher.*

Course explores the role of religion in the development of cultures, and society and institutions within those cultures emphasizing the effect religion and institutions have on socio-cultural relationships.

SA 307 Biocultural Ecology

*As announced. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher.*

Focus on reciprocal relations between and influences on cultures, societies and the environment.

SA 309 Psychology of Gender

*Summer Semester, odd years. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher.*

Students will explore the connection between sex-based differences in men and women, and the way in which that psychology affects their behavior in social and cultural settings across cultural lines.

SA 310 Generations: Aging in America

*Fall Semester, odd years. 3 semester hours.
Prerequisites: IDS 112 with C or higher, six semester hours of 200-level coursework in sociology/anthropology, psychology, gender studies, criminal justice or instructor permission.*

Students will examine social, political and economic issues affecting North America's aging population in the context of family relationships.

SA 311 Uncloseting America

*Intensive Learning Term, as announced. 3 semester hours.
Satisfies Global Diversity requirement.
Prerequisites: IDS 112 with C or higher.*

Course explores theory and issues relating to being queer in America and the socio-cultural ramifications for the individual, the family and the community.

SA 330 Social Science Statistics

*Spring Semester, even years. 3 semester hours.
Satisfies Mathematics Proficiency requirement with a grade of C or higher.*

*Cross-listed: PSY 330.
Prerequisites: IDS 112 with C or higher and junior status or instructor permission.*

Introduction to statistics and appropriate statistical software in the field of social sciences.

SA 340 Application of Sociological Anthropological Theory

*Spring Semester, even years. 3 semester hours.
Prerequisites: IDS 112 with C or higher.*

Students will revisit theory in Sociology/Anthropology, focusing on how that theory gets applied in social institutions.

SA 350 Workshop in Sociology and Anthropology

Fall Semester, even years. 3 semester hours.

Satisfies Senior Experience requirement.

Prerequisites: IDS 112 with C or higher and six semester hours in Sociology/Anthropology above 200 level.

This is a seminar class which analyzes current ethical and theoretical issues in the social sciences. Topic is developed by Social Science faculty each academic year.

SA 390 Research Link

Spring Semester, even years. 3 credit hours.

Prerequisites: IDS 112 with C or higher, senior status and 9 credit hours of work in major above 200-level.

Students develop a research project based on an issue in which they have an interest in pursuing. This will build off of research which originates in Department Seminar beginning with the 2nd year of study. Students also meet in a group to discuss technique and methodology. Papers will be presented and defended before a panel at the end of the semester.

SA 403 Practicum

Arranged with instructor. 1-6 semester hours.

Satisfies Service Learning requirement.

Prerequisites: IDS 112 with C or higher, junior status, 56 credit hours plus 6 hours of work in major above the 200-level.

Practicum encompasses internships or service entailing practical application of the skill and knowledge learned in the course of a student's study. Off-campus internships and internships for more than 6 credit hours may be registered as IDS 390, Cooperative Education Internship.

SA 418 Directed Readings

Arranged with instructor. 1-6 semester hours.

Prerequisites: Sophomore standing with 9 credit hours of work in major above 200 level and a GPA of 3.0 or higher in major.

A program of coordinated and selected readings between student(s) and faculty member(s).

SA 419 Directed Advanced Research

Arranged with instructor. 1-6 semester hours.

Prerequisites: IDS 112 with C or higher, junior status with 9 credit hours of work in major above 200 level and a GPA of 3.0 or higher in major.

Program of research designed and implemented under the guidance of/in coordination with faculty member(s). At completion, the student presents their findings in a scholar's lecture.

SA 450 Special Topics in Sociology Anthropology

As offered. 1-3 semester hours

Prerequisites: IDS 112 with C or higher.

These are courses which are developed by department faculty and approved by the department: (1) in the instructor's special field of interest, (2) of student interest, and (3) to meet rapidly changing curriculum or college needs. Some topics may require further prerequisites.

Spanish

Humanities Department

Introductory Spanish (see World Languages)

Intermediate Spanish (see World Languages)

SPN 420 Independent Study in Spanish (Readings)

Fall and Spring Semesters. 1-6 semester hours.

Prerequisites: instructor permission.

The student has the opportunity and responsibility of creating a program of coordinated and selected readings with faculty member(s). A written proposal must be submitted by the student.

SPN 450 Special Topics in Spanish

As announced. 1-3 semester hours.

Prerequisites: instructor permission.

Course developed by individual faculty.

Theatre and Speech

Performing Arts Department

THR 100 Theatre Practicum I

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: instructor permission required. May be repeated once.

Development of roles as actor, designer, technician or production manager. Resulting in the production of a full-length play which will be presented to the public approximately 8-10 weeks into the semester.

THR 106 Theatre and Culture

Fall and Spring Semesters. 3 semester hours.

Satisfies Global Diversity requirement.

Theatre as entertainment and a reflection of human behavior. Basic principles, goals and objectives as well as theatrical production and history.

THR 111 Acting

*Fall and Spring Semesters. 3 semester hours.
Satisfies Creative Experience requirement.*

Voice and movement skills. Relaxation, trust, discipline, criticism and artistic freedom.

THR 121 Introduction to Dance

*Fall, Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.*

Basic dance steps, routines and techniques used in theatrical and musical presentations. Tap, jazz, ballet and modern dance may be included as they relate to stage performances.

THR 200 Theatre Practicum I

*Fall and Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.*

Prerequisites: instructor permission required. May be repeated once.

Development of roles as actor, designer, technician or production manager. Resulting in the production of a full-length play which will be presented to the public approximately 8-10 weeks into the semester.

THR 202 Survey of Dramatic Literature

Spring Semester. 3 semester hours.

Plays throughout history and from around the world, the societies they reflect and their meanings for us today.

THR 205 Oral Interpretation of Literature

Spring Semester. 3 semester hours.

Analyzing and performing classical and contemporary literature in the oral tradition.

THR 206 Creative Drama In The Classroom

Intensive Learning Term, odd years. 3 semester hours.

Theatrical techniques used for classroom teaching. Imagination, sensory awareness, movement, mime, oral interpretation of literature and improvisation. Helping young children be creative through self-expression, use critical thinking and promote social growth.

THR 211 Acting II

*Spring Semester, even years. 3 semester hours.
Satisfies Creative Experience requirement.*

Prerequisites: THR 111 or instructor permission.

Continues the first year acting courses with a rigorous exploration of character development and scene study.

THR 212 Stagecraft

Fall Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Explores the first level of skills needed for theatrical production such as set construction, painting, and stage lighting.

THR 220 Women in the Arts

*Spring Semester, even years. 3 semester hours.
Satisfies Global Diversity requirement.*

Women in the Arts explores the role of women in various artistic fields, with particular emphasis placed on the performing arts of music, dance and drama. Historical and contemporary personalities will be examined in terms of their contributions, and the evolution of roles will be addressed in terms of socio-cultural changes.

THR 221 Dance II

*Fall and Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.*

Prerequisites: THR 121 or instructor permission.

Continues study in dance beyond the first class credit and evaluation.

THR 290 Introductory Problems and Projects in Theatre and Speech

As announced. 3 semester hours.

Prerequisites: instructor permission required.

Independent and supervised work in a variety of subjects at the sophomore level.

THR 300 Theatre Practicum III

*Fall and Spring Semesters. 1 semester hour.
Satisfies one of three semester hours of Creative Experience requirement.*

Prerequisites: instructor permission required. May be repeated once.

Development of roles as actor, designer, technician or production manager. Resulting in the production of a full-length play which will be presented to the public approximately 8-10 weeks into the semester.

THR 301 Theatre Beyond and Away

*Intensive Learning Term, even years. 3 semester hours.
Prerequisites: THR 106 or THR 202 or instructor permission.*

Experiencing theatre away from the Olivet campus. Involves travel. Location and productions will be announced at pre-registration.

THR 303 Argumentation and Debate

*Spring Semester, odd years. 3 semester hours.
Prerequisites: THR 203.*

Theoretical and practical aspects of debate and forensics.

THR 306 Theatre History I

*Spring Semester, even years. 3 semester hours.
Prerequisites: THR 202.*

Examines the development of theatre from classical Greece to the Elizabethan age in detail.

THR 307 Theatre History II

Fall Semester, even years. 3 semester hours.

Prerequisites: THR 306.

Examines the development of theatre from the Restoration to the present day in detail.

THR 312 Stage and Lighting Design

Fall Semester, odd years. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: THR 212 or instructor permission.

Practical and theoretical technical experience in set and theatrical lighting design.

THR 313 Costuming and Makeup

Fall Semester, even years. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: THR 212 or instructor permission.

Practical and theoretical technical experience in costume and theatrical makeup design.

THR 321 Dance III

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: THR 221 or instructor permission.

Continues development in dance studies.

THR 390 Intermediate Problems and Projects in Theatre and Speech

As announced. 3 semester hours.

Instructor permission required.

Development of topics and practices introduced in THR 290.

THR 400 Theatre Practicum IV

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: instructor permission. May be repeated once.

Development of roles as actor, designer, technician or production manager. Resulting in the production of a full-length play which will be presented to the public approximately 8-10 weeks into the semester.

THR 402 World Theatre

Fall Semester, odd years. 3 semester hours.

Focus on modern theatre plays and practices of the non-European tradition. It will include classic works that remain in current production.

THR 421 Dance IV

Fall and Spring Semesters. 1 semester hour.

Satisfies one of three semester hours of Creative Experience requirement.

Prerequisites: THR 321 or instructor permission.

Continues development in dance studies.

THR 424 Theatre: Issues and Society

As announced. 3 semester hours.

Prerequisites: THR 106 and junior or senior standing.

The meaning of theatre in contemporary society.

THR 490 Advanced Problems and Projects in Theatre and Speech

As announced. 3 semester hours.

Instructor permission required.

Development of topics and practices introduced in THR 390.

Visual Arts

Visual Arts Department

ART 101 Image and Culture

Fall and Spring Semesters. 3 semester hours.

Satisfies Global Diversity requirement.

Art appreciation course divided into three areas: an introduction to the principles of organization and elements of design, a thematic study of how those concepts have been applied across times and cultures to communicate specific meaning, and student (group) developed thematic research and class presentations of non-western art forms.

ART 105 Drawing Skills Laboratory

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

An introductory drawing class with a focus on traditional drawing techniques that include line quality, proportion and shape gauging and one-and two-point perspective.

ART 107 Visual Foundations

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

A two-dimensional design course that focuses on traditional elements such as composition, value and color. Students choose subject matter that reflects their personal and political/social interests. Ceramic forms are created using pinch, coil and slab techniques.

ART 200 Ceramics: Fundamental

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Introductory ceramics class that includes traditional hand building, wheel work, firing and glazing.

ART 205 Portrait Sculpture: Fundamental

Fall Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Traditional portrait sculpture where students model in clay from a live model. Attention is paid to skeletal/muscle anatomy and proportion. Clay heads are then cast into plaster through a waste-mold process.

ART 220 Women in the Arts

Spring Semester, even years. 3 semester hours.

Cross-listed: THR 220, WGS 220.

Satisfies Global Diversity requirement.

Women in the Arts explores the role of women in performing arts, visual art and literature. Historical and contemporary personalities will be examined in terms of their contributions, and the evolution of roles will be addressed in terms of socio- cultural changes.

ART 221 Sculpture: Fundamental

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Basic sculpture class that engages students in traditional bar-relief (clay) and carving (plaster). Students choose subject matter that reflects their personal interests.

ART 231 Printmaking: Fundamental

Fall Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Basic printmaking where students explore one medium (woodcut, intaglio, serigraphy or lithography). Personal responses are developed to an assigned technique and subject matter through sketches and trial proofs that are then used to create the final print. Four prints in editions will be accomplished over the course of the semester.

ART 240 History of World Art I

Fall Semester, odd years. 3 semester hours.

Survey of art, architecture and craft from prehistory to medieval Europe through illustrated discussions and readings. The relationships between art, craft, culture and environment is explored from cultures around the world, including Chinese, Japanese, Indian, South-East Asian, Mesoamerican and Islamic art.

ART 241 History of World Art II

Fall Semester, even years. 3 semester hours.

Survey of art, architecture and craft from Renaissance Europe to Post Impressionism through illustrated discussions and readings. The relationships between art, craft, culture and environment is explored from cultures around the world from this time-frame including Chinese, Japanese, Native American, Oceanic and Sub-Saharan Africa art.

ART 242 Modern and Contemporary Art History

Spring Semester. 3 semester hours.

Survey of modern and contemporary art, architecture and design through illustrated discussions and readings. Modern movements and styles and their relationships are explored from late 19th century European art through the 20th century to America. Also included are works of African American, Native American, Hispanic American and women artists, as well as art from China, Japan, Central and South America, India and Africa.

ART 243 Art and Culture of Tuscany

Intensive Learning Term, odd years. 3 semester hours.

Two weeks of travel through Tuscany, Umbria and the Marches regions of Italy, including the cities of Florence, Siena, Assisi and Urbino. In addition to viewing the art, participants are expected to open themselves up to the language, cuisine and customs of the area. One week of in-class preparation included.

ART 245 Figure Drawing: Fundamental

Spring Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Drawing in pencil and charcoal from the live model (gesture and extended poses, including portrait work). Attention is paid to anatomical structure and proportion.

ART 250 Photoshop

Spring Semester, 3 semester hours.

Prerequisites: JMC 200 or instructor permission.

Introduction to the functions, components, terminology, features and uses of Adobe Photoshop, focusing on the essential techniques and functions of the program. Course offers hands-on lectures, demonstrations and student projects. Students must have electronic storage media.

ART 251 Painting: Fundamental

Fall and Spring Semesters, odd years. 3 semester hours.

Satisfies Creative Experience requirement.

Fundamental problems in painting. Still life format is utilized to develop a technological command of the oil medium. In-depth work with the principles of organization focuses each assignment.

ART 271 Biological Illustration: Fundamental

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Traditional drawing course with emphasis on rendering light on form. Subjects progress from simple geometric shapes to more complex still life.

ART 300 Ceramics: Intermediate

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 200 or permission of instructor.

Students enhance skills learned at the 200 level with additional processes and materials introduced. While both hand building and wheel throwing abilities are expected to increase, students may begin to determine what areas of clay interest them most. Students focus on developing skill at wheel thrown ceramics and continuing glaze and decorating techniques.

ART 305 Portrait Sculpture: Intermediate

Fall Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 205 or permission of instructor.

Students further pursue their interest in the portrait genre while developing a personal form vocabulary as they work from a live model.

engage in more sophisticated materials such as stone, wood and metal.

ART 331 Printmaking: Intermediate

Fall Semester. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 231 or permission of instructor.

Students explore a second medium (woodcut, intaglio, serigraphy or lithography) or further technically develop a previous medium in which they have worked. Four prints in editions will be accomplished over the course of the semester.

ART 311 Graphic Design and Computer Art I

Fall Semester, odd years. 3 semester hours.

Satisfies Creative Experience requirement.

An introduction to advertising design. Focus is on developing strong verbal/visual skills to communicate specific concepts. A variety of skills and techniques are explored to present ideas for print or electronic communication. Emphasis on logo development, poster design and image in print. Introduction to Adobe Illustrator and PageMaker.

ART 345 Figure Drawing: Intermediate

Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 245 or permission of instructor.

Drawing in pencil and charcoal from the live model (gesture and extended poses, including portrait work). Attention is paid to anatomical structure and proportion.

ART 312 Graphic Design and Computer Art II

Spring Semester, even years. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 311 or permission of instructor.

Beginning to intermediate level visual design communication and computer imaging. Design assignments concentrate on methods of visual organization to support communication of a theme (verbal and non-verbal). Print production methods and designing for print are stressed.

ART 351 Painting: Intermediate

Fall and odd Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 251 or permission of instructor.

Intermediate problems in painting using the still life format to develop a technological command of the oil medium. In-depth work with the principles of organization and elements of design focuses each assignment.

ART 313 Typography and Computer Imaging I

Fall Semester even years. 3 semester hours.

Satisfies Creative Experience requirement.

Beginning level calligraphy, typography design and computer imaging; including development of brush and pen calligraphy skills, studies of typographic alphabets and visual organization techniques to produce calligraphic and typographic communications as well as introductory level desktop publishing for beginning students to enable computer-generated compositions for print and production.

ART 371 Biological Illustration: Intermediate

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 271 or permission of instructor.

Traditional rendering class with emphasis on close observation and accurate description of natural forms in wash, colored pencil, water color and pen and ink.

ART 314 Typography and Computer Imaging II

Spring Semester, odd years. 3 Semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 313 or permission of instructor.

Secondary level typography/design communication and computer imaging. Assignments include systems of visual organization with work on brochures, newsletters, magazines and tabloids. Current production and printing methods using computer generated compositions for print and production is included.

ART 381 Visual Arts Service Learning

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience and Service Learning requirements.

Prerequisites: junior standing and ART 107; additionally, either ART 271, 311, 313 or any other 300-level studio course or above in painting, sculpture, ceramics or printmaking.

A service learning course that addresses a community need and reinforces the college's focus on *Education for Individual and Social Responsibility*. Students, in conjunction with the education director and the volunteer coordinator of the Art Center of Battle Creek determine hands-on service(s) for the center that are specific to the student's completed course work in visual arts.

ART 321 Sculpture: Intermediate

Fall and Spring Semesters. 3 semester hours.

Satisfies Creative Experience requirement.

Prerequisites: ART 221 or permission of instructor.

Students, in consultation with the instructor, choose their own subject matter from observable forms and

NOTE: students may arrange a service learning experience with another organization. In such cases, all arrangements must be made and reviewed for approval by the instructor.

ART 400 Ceramics: Advanced

*Fall and Spring Semesters. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 300 or permission of instructor.*

Students consult with the instructor to decide on projects in hand building and/or wheel throwing. Frequent conferences follow with students keeping a detailed log of hours, processes and work accomplished. Appreciation of the diverse history of ceramics across many cultures would be evidenced by research and writing.

ART 405 Portrait Sculpture: Advanced

*Fall Semester. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 305 or permission of instructor.*

Students work from a live model and are expected to be self-directed in their approach to portrait sculpture. They may choose to work in a highly representational manner or they may investigate alternative ways to interpret the human form.

ART 421 Sculpture: Advanced

*Fall and Spring Semesters. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 321 or permission of instructor.*

Students, in consultation with the instructor, determine their projects and are expected to be self-directed in the subjects they choose, the manner in which they choose to interpret the subjects (from highly representational to non-objective) and the materials selected to house their ideas.

ART 431 Printmaking: Advanced

*Fall Semester. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 331 or permission of instructor.*

Students develop technical mastery over one medium (woodcut, intaglio, serigraphy or lithography). They are expected to be self-directed, to explore personal subject matter and issues of personal style (from highly representational to non-objective). Five prints in editions will be accomplished.

ART 445 Figure Drawing: Advanced

*Spring Semesters. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 345 or permission of instructor.*

Drawing in pencil and charcoal from the live model (gesture and extended poses, including portrait work). Attention is paid to anatomical structure and proportion, however, students are encouraged to explore and expand their personal attitude toward figure drawing.

ART 451 Painting: Advanced

*Intensive Learning Term. Fall and odd Spring Semesters.
3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 351 Painting, or permission of instructor.*

Advanced problems in oil painting where students are expected to be self-directed in the subjects they choose, the manner in which they choose to interpret the subjects and the materials they select to house their ideas.

ART 471 Biological Illustration: Advanced

*Fall and Spring Semesters. 3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: ART 371 or permission of instructor.*

Traditional rendering class with emphasis on close observation and accurate description of natural forms. Media is expanded to include gouache and colored pencil.

ART 490 Advanced Independent Work

*Fall and Spring Semesters. 2-3 semester hours.
Satisfies Creative Experience requirement.
Prerequisites: 9 semester hours in one studio discipline (200, 300-and 400-level courses).*

Students develop their own ideas and manner of communication in the studio discipline of their choice (painting, sculpture, printmaking or ceramics). Work from this course may be incorporated in the student's senior project which is a graduation requirement and forms the hub of their senior exhibition.

Women's and Gender Studies Social Science Department

WGS 201 Introduction to Women's and Gender Studies

*Fall Semester, odd years, 3 semester hours.
Satisfies Global Diversity requirement.*

Interdisciplinary course examining the cultural meaning given to gender. This course will explore the conditions and events that affect women's lives. Emphasis on women's roles in, and perspectives on, education, economics, politics, law, religion and health care. Will include a review of women in the arts and feminist philosophy.

WGS 220 Women in the Arts

*Spring Semester, even years. 3 semester hours.
Satisfies Global Diversity requirement.*

Women in the Arts explores the role of women in performing arts, visual arts and literature. Historical and contemporary personalities will be examined in terms of their contributions, and the evolution of roles will be addressed in terms of socio-cultural changes.

WGS 241 Feminist / Womanist Theory I

Spring Semester, even years. 3 semester hours.

Interdisciplinary course that traces the historical emergence of feminist scholarship across topics such as work and family, health and sexuality, creativity and politics. Along with the focus on the U.S., the course attempts to incorporate international perspectives on women and feminism.

WGS 255 Women, Health and Sports

As announced, 3 semester hours.

A study of health practices and attitudes in women's sports. Special focus will be given to the unique physiology and anatomy of women, as well as health care utilization and advocacy. Topics include: consumer health awareness, health practices, consumer practices, aging, stress, cancer, drugs, mental health, and sexuality.

WGS 311 Uncloseting America

Intensive Learning Term. Odd years.

Satisfies Global Diversity requirement.

Interdisciplinary course examining queer theory, identity, history, and activism. This course will explore the intersections of race, class, gender and sexual orientation through a "queer" lens. We will focus on increasing personal awareness, expanding knowledge, and encouraging action.

WGS 330 Gender, Sexuality and Religion

Spring Semester, even years. 3 semester hours.

Satisfies Global Diversity requirement.

The interaction of religion, gender and sexuality will be explored through a cross-cultural, multi-religious perspective. Religious approaches to the ethics of sexuality and gender will be examined. The complexities of these relations as they are impacted by the politics of race, class, colonialism, and the globalization of religions will also be explored.

WGS 342 Feminist / Womanist Theory II

Spring Semester, odd years. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: IDS 112 or permission of instructor.

Interdisciplinary course that reviews contemporary feminist scholarship across topics such as work and family, health and sexuality, creativity and politics. A service learning placement is required at the SIREN / Eaton Shelter in Charlotte or at a mutually agreed upon placement. This work helps to connect the theory of feminist and womanist work to the lives of real people.

WGS 370 Women and Business

Spring Semester, even years. 3 semester hours.

Prerequisites: IDS 112 or permission of instructor.

The course will examine how women communicate in business, gender role development, managing work and family, networking and mentoring, trends in self-employment, women working abroad and other issues concerning women in the workplace.

WGS 399 Perspectives on Masculinity

As announced. 3 semester hours.

Examination of the construction of masculinity in sports, family, work and other social relationships, showing how it effects and is affected by people, institutions and society. Masculinity is defined and described in this course as a social concept that impacts everyone, both socially and personally. The course will assist students in understanding how masculinity as a social construction is related to the development of individuals.

WGS 403 Gay, Lesbian, Bisexual and Transgender Studies

As announced. 3 semester hours.

Prerequisites: WGS / SA 311 or permission of instructor.

GLBT (Gay, Lesbian, Bisexual and Transgender) Studies is designed to provide students with a survey of the interdisciplinary study of sexual orientation and gender identity, with attention to race, ethnicity, and class. We will examine the theories, methods, and major issues of this field, focusing on the complex interdisciplinary influences at work in the development of the theory and research in GLBT Studies.

WGS 415 Women in the Bible

Fall Semester, even years. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: IDS 112 or permission of instructor.

This course is a critical analysis of women figures in biblical texts and contexts, using historical, anthropological, sociological, feminist/womanist, literary, and theological methodologies.

WGS 450 Special Topics

As announced, 3 semester hours.

Prerequisites: IDS 112 or permission of instructor.

Courses developed by individual faculty members in order to: a) serve a specific student's needs; b) meet unforeseen or one-time curriculum, industry or college needs; or c) make use of an extraordinary staffing opportunity. Topics will be announced in advance of course registration.

World Languages

Humanities Department

WRL 101 Introductory World Languages I

Fall Semester. 3 semester hours.

Satisfies Global Diversity requirement.

In introductory language courses, students learn the basic concepts of a foreign language. Practical vocabulary, pronunciation, and grammar are emphasized so that the student is able to achieve one of the primary goals of the course, meaningful communication in the language. Appreciation, awareness and an understanding of others is also of great importance, and therefore cultural aspects of the language's culture(s) are stressed.

WRL 102 Introductory World Languages II

Spring Semester. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: WRL 101 in same language, or placement equivalent.

Continuation of WRL 101. The approach continues to integrate cultural study while students are exposed to the four basic language skills: reading, speaking, listening and writing. The emphasis is on meaningful oral communication.

WRL 201 Intrermediate World Languages I

Fall Semester. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: WRL 102 with C or higher in same language.

A continuation of first-year language study. The approach continues to integrate the study of foreign cultures while students are exposed to the four basic language skills: reading, writing, listening and speaking. The emphasis is on meaningful oral communication. Appreciation, awareness and an understanding of others is also of great importance, and therefore various aspects of the culture(s) associated with the language will be examined.

WRL 202 Intermediate World Languages II

Spring Semester. 3 semester hours.

Satisfies Global Diversity requirement.

Prerequisites: WRL 201 with C or higher in same language.

A continuation of WRL 201. The approach continues to integrate the study of foreign cultures while students are exposed to the four basic language skills: reading, writing, listening and speaking. The emphasis is on meaningful oral communication. Appreciation, awareness and an understanding of others is also of great importance, and therefore various aspects of the culture(s) associated with the language will be examined.

Graduate Course Descriptions

Master of Arts in Teaching

Education Department

ED 470 Initial Portfolio Seminar

2 semester hours.

Corequisite: ED 471.

Prerequisites: admission to the Teacher Preparation Program.

In the initial Portfolio Seminar, students will develop a comprehensive set of case study materials about their classrooms. In class, students will develop assessment rubrics to guide analysis of their portfolio materials. Using peer review, and in consultation with their coaches and course faculty, each student will use the assessment rubrics to analyze their own portfolios and develop an individualized development plan to be carried out in ED 471.

ED 471 IDP

1 semester hour.

Corequisite: ED 470.

Prerequisites: admission to the Teacher Preparation Program.

Students will carry out their IDP developed in ED 470. Participants in the courses will spend at least 15 additional hours in professional development activities such as work-shops, in services, seminars or additional classes, working with coaches, administrators and course faculty.

ED 575 Strengthening Applications of Quality Lesson Design

3 semester hours.

Students will write a philosophy of teaching, work on one IDP goal, and strengthen their ability to use quality lesson design to improve their teaching. Through individualized professional development options with accompanying reflections, applications in the classroom, and peer review, they will improve competence in their selected goal. In class, students will strengthen and apply their knowledge of quality lesson design as they teach each other what they have learned about that goal. Students can expect to participate in an additional 24 hours of professional development options outside of class as prerequisite to completion of the course.

ED 576 Collaborating for Accountability

3 semester hours.

Students work on a second IDP goal. In class students continue the process of collecting and analyzing data for their working portfolio with specific attention to the role of peer support and coaching as they assess in-depth both their own teaching and student learning. Peer support and coaching will increase not only their comprehension but also their options for applying what the information suggests about their teaching and learning. Students can expect to participate in an additional 30 hours of professional development options outside of class as prerequisite to completion of the course.

ED 577 Selecting and Organizing Artifacts for the Portfolio

3 semester hours.

Students work on a third IDP goal. In class, students will build the criteria for the final selection of artifacts and create a template for organizing an exemplary professional portfolio. Application of metacognitive processes will professionalize their ability to assess the status of their development as educators. Students can expect to participate in an additional 30 hours of professional development options outside of class as prerequisite to completion of the course.

ED 578 Polishing the Professional Portfolio and Planning the Action Research Project

3 semester hours.

Students will identify the IDP goal that will serve as the basis for their final project (ED 590) and solicit volunteers to serve on their faculty advisory committee. They will review and refine their comprehension of the action research process, select a topic for their project, and under the guidance of their committee construct a proposal and action plan for how they will complete the research for that project. Final products from this course will include, 1) completion of their professional portfolio, and 2) design of their final research project. Students can expect to participate in an additional 15 hours of professional development options outside of class that are directly related to their action research as prerequisite to completion of the course.

ED 580 Building Learning Communities

3 semester hours.

Provides investigation on topics including cooperative learning, teaming, and constructing learning communities within the classroom, school, community and with parents.

ED 581 Creating Responsive Classrooms and Reflective Teaching

3 semester hours.

A course that is designed to help teachers understand the power of reflection as an aid in teaching, learning, assessment, and in personal and professional growth. The course is also designed to help teachers create an environment that is conducive to teaching and learning for all students.

ED 582 Diagnosis and Treatment of Reading Disabilities and Differentiated

Instruction

3 semester hours.

A course that examines the nature and multiple causes of reading difficulties based on research in: fluency, vocabulary, phonemic awareness, phonics, spelling, comprehension, language and writing. The course identifies assessment principles and practices that inform and support literacy instruction. Focus is placed on best practice core instruction, prevention, intervention and remediation of reading difficulties. An analysis of strengths and weaknesses based on assessments with diagnosis and planned instruction in a practical setting is included.

ED 583 Classrooms for the Future

3 semester hours.

Explores the use of instructional technology in the classroom. Includes topics such as information literacy, living with the information explosion, restructuring, reform and school improvement for the future.

ED 584 Content Knowledge and Student Learning

3 semester hours.

A course designed to provide breadth and depth of understanding in content and curriculum of educational programs and how they relate to student achievement. Special topics may include constructivist classrooms, thematic instruction, as well as the learning process and its application in a variety of settings with students of diverse cultural, ethnic, racial, linguistic, and socioeconomic backgrounds.

ED 585 Assessing Student Learning

3 semester hours.

An exploration of a variety of instructional assessment measures. Traditional norm referenced testing, as well as alternative assessment (performances, portfolios and products) will be discussed. Special attention is devoted to the construction of classroom assessments that add to the information provided by traditional testing.

ED 590 Final Project/Action Research

3 semester hours.

The Final Project/Action Research is completed on an independent study basis with periodic seminars scheduled to share progress on student plans. Arrangements are made for presentation of final projects and portfolios to MAT students and others.

Master of Business Administration in Insurance

Business Administration Department

MBA 800 Insurance & Risk Management

3 semester hours.

An introduction to the concept of risk, the process of risk management, and the field of insurance, including fundamental doctrines, historical background, social value, economic influence, loss exposures and protection, insurance regulation, insurance carriers, and overview of insurance operations such as reinsurance, marketing, underwriting, and claims adjusting.

MBA 802 Personal Financial Planning

3 semester hours.

This course examines individual and family financial planning, including needs analysis, wealth accumulation, and retirement planning. Needs include basic personal lines property-liability insurance, individual life, health and disability insurance.

MBA 803 Global Insurance & Risk Management

3 semester hours.

Prerequisites: MBA 800.

The study of the major challenges and cross functional issues facing managers in insurance and risk management businesses with activities and interests around the world.

MBA 808 Management & Organizational Behavior

3 semester hours.

The principles of management and administrative theory are learned in case study and lecture formats. Students understand issues involved with managing large organizations. They also develop an appreciation for other management and organizational issues including planning, human behavior, organizational structure, interpersonal skills, and related topics.

MBA 809 Strategic Marketing

3 semester hours.

The study of strategic marketing decisions and the tools to make more informed decisions. A focus on the management of risk and allocation of scarce company resources in the search for a competitive advantage in the marketplace.

MBA 810 Managerial Economics

3 semester hours.

A study of the effects of fiscal and monetary policies on economic performance; how to interpret both domestic and international economic indicators; an emphasis on issues of demand and supply, and various forms of equilibrium conditions; the relationship between market structure and firm performance; and issues relating to transaction costs, managerial incentive conflicts, and the economic value of information.

MBA 811 Corporate Accounting

3 semester hours.

Use of accounting data as a management tool and how to evaluate financial statements; issues of profit planning and budgeting, and working capital management; application of the capital asset and option pricing models to corporate financial decisions; how risk determines the required rate of return. Students make value maximizing capital budgeting decisions under uncertainty.

MBA 812 Business & Insurance Law

3 semester hours.

A study of the legal framework for business decision making, principles of general business law, contracts and agency, application to insurance and risk management, historical legal development in the insurance industry.

MBA 820 Quantitative Analysis and Decision Making for Management

3 semester hours.

The study of the application of quantitative tools to analyze data using a variety of software including spreadsheets, and specialized statistical and simulation packages, to conduct and present applied business research and evaluate the quality of research of others.

MBA 821 Advanced Spreadsheets & Databases

3 semester hours.

Prerequisites: a basic spreadsheets and database course.

The study of advanced spreadsheet and database functions. Functions include: advanced queries, custom forms, custom reports and graphs, relationships, macros, application code in visual basic, database management, multiple worksheets, scenarios and data table management.

MBA 828 Managing a Diverse Workforce

3 semester hours.

Prerequisites: MBA 800.

Examines the research and practical implementation of current diversity issues, from management, psychological and legal perspectives. Includes a survey of US laws, heightens the awareness of diversity issues, and studies management approaches to leveraging diversity in the workplace.

MBA 830 Ethics & Leadership

3 semester hours.

Prerequisites: MBA 800.

An exploration of the ethical philosophies found in the world of business, including an examination of corporate social responsibility. Interactive group learning is designed to enhance skills in critical thinking. Concrete dilemmas invite participants to reflect on their own moral values and analyze them in a safe environment.

MBA 835 Property-Casualty Insurance Contracts

3 semester hours.

Prerequisites: MBA 800, 812.

The examination and analysis of common property-casualty insurance contracts, underwriting considerations, and application to loss scenarios.

**MBA 840 Financial Management of Property
Casualty Insurers**

3 semester hours.

Prerequisites: MBA 800, 811.

The application of theories and methodologies they have acquired in financial management of the specific needs of property-casualty insurance companies. Students analyze insurer financial statements, learn how to use financial data to evaluate the performance of property-casualty insurance companies; construct strategies designed to avoid insolvency, ensure adequate reserving, and meeting the future capital needs of the insurance company.

MBA 844 Reinsurance Principles & Practices

3 semester hours.

Prerequisites: MBA 800.

An introduction to reinsurance, and an examination of the types of reinsurance and reinsurance program design, reinsurance placement process, common reinsurance treaty clauses, quota share treaties, surplus share treaties, property per risk excess of loss treaties, casualty excess of loss treaties, catastrophe reinsurance, aggregate excess of loss treaties, reinsurance audits, reinsurance regulation, reinsurance aspects of the NAIC annual statement, and reserves.

MBA 853 Employee Benefits

3 semester hours.

Prerequisites: MBA 800.

An in-depth study of employee benefit plans such as group insurance and pensions with special consideration given to financing and current issues.

MBA 854 Risk Assessment

3 semester hours.

Prerequisites: MBA 800.

The examination the process of risk management for a private firm, in-depth, with a focus on the identification and analysis of loss exposures, examination of alternatives to traditional insurance, and the use of forecasting and cash flow analysis to make the risk management decision.

MBA 855 Risk Control

3 semester hours.

Prerequisites: MBA 854.

A study of the framework of risk control, Crisis Management Planning, controlling fire losses, protecting the health potential of personnel, safer & more productive workplaces, rehabilitation management, controlling losses, motivating & monitoring risk control activities, and system safety.

MBA 856 Risk Financing

3 semester hours.

Prerequisites: MBA 854.

A study of insurance as a risk financing technique, excess & umbrella liability, reinsurance & risk financing, captives, self-insurance, retrospectively rated plans, finite & integrated risk insurance plans, and capital market products.

MBA 863 Surplus Lines Insurance Operations

3 semester hours.

Prerequisites: MBA 800.

The examination of the fundamentals of surplus lines insurance operations, insurance regulation, surplus lines insurance marketing, new product and program development, underwriting, ratemaking, claims functions, reinsurance, financial analysis of insurers and intermediaries, and insurance cycles and the surplus lines market.

MBA 882 Variable Topics

3 semester hours.

The examination of selected areas of concern or interest not intensively covered in other courses. The focus will be substantive as well as analytical. Topics may include such areas as further investigation into reinsurance, claims, commercial underwriting, surplus lines insurance, employee benefits, estate planning, ethics, financial analysis and management of insurance companies, risk management alternatives – financing or control, international risk management, or any other insurance topics where there is student interest in or business community need. May be repeated for credit with a different topic.

**MBA 890 Strategic Management of Property
Casualty Insurers**

3 semester hours.

An integrative course in strategic planning and setting of policies, using concepts and skill developed in earlier courses. Taken in the last semester of the student's program.

Board of Trustees, Alumni Council, Administration, Faculty

Board of Trustees

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Douglas Federau, East Lansing
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Rod Hathaway '81, Wayland
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Timothy Hodge '83, D.O., Holt
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Thomas E. Kolassa '69, Battle Creek
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Jeff Mathie '88, Olivet
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Jeff Wildern, Charlotte
Janet (Stam) Zeaiter '07, Mechanicsville, Va.

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William N. Healy '79, Brighton
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Richard A. Rasmussen '35, M.D., '89, SC.D., Grand Rapids
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Charles M. Trubac, East Lansing
Stephen E. Upton '84, L.H.D., Chair Emeritus, Saint Joseph

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Steven M. Corey, Ph.D., President, Olivet College

Alumni Council

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Sandra Vedder Boyer '85, Saline
Dennis Daugherty '70, Mattawan
Alana Fox '03, Charlotte
Pam Heos '77, East Lansing
Lance Lancour, '02
Angel Pedelty '05, Olivet
Nancy Baugh Sahli '70, Battle Creek
Sue Topping '77, East Lansing
Woody Wilson, Jr. '69, Albion

President's Cabinet

Steven M. Corey, Ph.D., 2010

President.
B.S., California State University at Fresno; M.S., Arizona State University, M.B.A.; Cumberland University;
Ph.D. in higher education finance, University of Arizona.

Bill Kurtz, 2008

Senior Vice President and Chief Financial Officer.
B.B.A., Western Michigan University, 1980.

Barbara A. Spencer, 1998

Executive Assistant to the President.

Larry D. Colvin, 1993

Vice President for Administration.
B.A., Spring Arbor University, 1990.

Maria G. Davis, 1994

Provost and Dean of the College. Professor of Biology.
B.S., Siena Heights College, 1983; M.S., Bowling Green State University, 1985; Ph.D., Michigan State University, 1989.

Linda Logan, 1997

Vice President and Dean of Student Life. Professor of Sociology and Anthropology.
B.A., Saginaw Valley State University, 1988; M.A., Central Michigan University, 1991; Ph.D., Michigan State University, 1997.

Heather A. Bateman, 2001

Athletic Director.
B.S., Oakland University, 1996; M.A., Wayne State University, 2001.

Staff

Suresh Acharya, 1999

Information Technology Services Manager.
B.A., Olivet College, 1999.

Jeri Jo Attwell, 2001

Physical Plant Housekeeper.

Nicole M. Baker, 1996

Assistant Dean for Academic Records.
B.A., Olivet College, 1995.

Cynthia Ballard, 2005

Physical Plant Housekeeper.

Heather A. Bateman, 2001

Athletic Director.
B.S., Oakland University; 1996; M.A., Wayne State University, 2001.

Bethany Becker, 2010

Financial Accounts Manager.
AAS Kellogg Community College, 2002; BA, MA., Davenport University, 2009, 2011.

Dorothy M. Bigford, 1969

Administrative Assistant for Faculty.
B.A., Olivet College, 1996.

Diana Boatwright, 2005

Academic Counselor and Adjunct Professor of Education.
B.A., M.A., Michigan State University, 1972, 1976.

Brandon Brissette, 2009

Head Wrestling Coach, HHP Instructor.
B.A., Wartburg College, 2005; M.A., Heidelberg College, 2008.

Lori A. Britton, 1982

Administrative Assistant and Teacher Certification Officer for the Education Department.

Jack Brown, 2006

Olivet Congregational Church Minister, Adjunct Instructor of Religion.

Nicole Burford, 2008

Assistant Women's Basketball and Track and Field Coach, HHP Instructor.
B.A., Oberlin College, 2005. M.A., Western Michigan University, 2007.

Sylvia Burkett, 2003

Bookstore Manager.

Melissa L. Casarez, 2002

Director of Admissions.
B.A., Olivet College, 2002.

Ute H. Chase, 1993

Physical Plant Office Coordinator.
Certified in Business Administration;
Berufsbildungsschule, Germany.

Suzanne Colvin, 2007

Administrative Assistant to the Vice President and Dean for Student Life.

Mark Comer, 2010

Information Technology Services Technician and Systems Support.

Andrew Cooper, 2008
Physical Plant Utility Person.

Christopher Crosby, 2010
Physical Plant Tradesperson.

Emily Davis, 2010
Dole Hall Director.

Mark Deruiter, 1992
Controller.
B.B.A., Nazareth College, 1988.

Stephanie Dixon, 2010
Physical Plant Housekeeper.
B.A., Olivet College, 2010.

Lance Elyea, 2009
Grounds.

Brenda Eubank, 2002
Senior Account Specialist.

Judy M. Fales, 1992
Library Assistant. International Students Co-Advisor.
B.A., University of Georgia, 1976.

Michael F. Fales, 1992
Director of Service Learning and Campus Ministries;
Assistant Professor of Religious Studies, International
Students Co-Advisor.
B.A., Olivet College, 1975,
M.Div./M.Min., Earlham School of Religion, 2007.

Debra K. Farmer, 1986
Business Office Specialist—Junior Accountant/Accounts
Payable/Student Loan Processor.

James T. Farnum, 2000
Head Softball Coach; Assistant Professor of HHP.
B.A., Alma College, 1993.

Gene Gifford, 2007
Head Men's Basketball Coach.
B.A., Olivet College, 1973.

Nick Glaser, 2009
Annual Fund Director.
B.A., Olivet College, 2007.

Molly Goaley, 2007
Director of Media Relations, Senior Writer.
B.A., Olivet College, 2005.

Angela Goodman, 2008
Retention Advisor.
B.A., Purdue University, 1988.

James Goodnoe, 2001
Physical Plant Housekeeper.

Aaron Gunther, 2008
Head Athletic Trainer.
B.S. Western Michigan
University; M.Ed., University of Central Oklahoma.

Sandra K. Harmon, 2002
Physical Plant Housekeeper.

Maria Harris, 2011
Physical Plant Housekeeper

Ed Heator, 2004
Development Officer.
B.A., Olivet College, 1980.

Michael Hebenstreit, 1999
Physical Plant Maintenance Utility Person.

Brian Heisler, 1992
Physical Plant Tradesperson.

Christine D. Heisler, 1995
Physical Plant General Services Supervisor.

Geoffrey M. Henson, 2002
Sports Information Director.
B.A., Baldwin-Wallace College, 2001.

Korey Heppard, 2007
Assistant Athletic Director, Assistant Baseball Coach.
MAT, Olivet College, 2011.

Margaret Heppner, 2007
Administrative Assistant for Enrollment Management.

Elaine R. Hoeltzel, 1999
Interim Library Director.
B.A., Olivet College, 1981.

Dan Hogan, 2010
Campus Safety.

Brenda Hopkins, 1980
Chartwells Dining Services.

Richard Hulkow, 2010
Head Football Coach.

Corey Jaeger, 2009
Admissions Representative.
B.A., Olivet College, 2007.

Libby Jean, 2006
Director of Financial Aid.
B.A., Davenport University, 2000.

Marty Mason Jennings, 2002

Director of Alumni Relations.
B.A., Olivet College, 1967.

Diane Kirkham, 2006

Administrative Assistant to the Provost and Dean
of the College.

Blaine Knapp, 2005

Safety Officer.

Lisa Lehman, 2006

Associate Director of Admissions.
B.A., Olivet College, 2002.

Stephen Lewis, 2003

Safety Officer.

Janice Love, 2001

Physical Plant Housekeeper.

Karen Lutzke, 2010

Head Women's Cross Country Coach and Women's
Track and Field Coach.

Bill Maas, 1989–1995; 2002

Academic Counselor, Head Women's Golf Coach
and NCAA Compliance Coordinator.
B.A., Olivet College, 1989.

Ted Mahan, 2006

Head Baseball Coach.
B.A., M.A., University of Michigan, 1977, 1991.

Gregory Mallek, 2011

Assistant Athletic Director

Ben Marciniak-Jennings, 2004

Chartwells Dining Service Director.

Betsey Mauro, 2008

Center for Congregational Leadership.

Chauncey McDaniel, 2004

Physical Plant Utility Person.

Kurtis McMahan, 2011

Admissions Representative.

Mary Anne McMullen, 2000

Women's Tennis Coach, Director of Special Events.
B.A., Olivet College, 2001.

Jason Meadows, 2003

Associate Dean for Student Life and Shipperd Hall Director.
B.A., Olivet College, 2003; M.A., Spring Arbor University,
2006.

Glen Metcalf, 2007

Assistant Men's Basketball Coach.
B.A., Southern Colorado State College, 1973.

Karen Miller, 2010

Assistant Athletic Trainer.

Ronda Miller, 2007

Associate Dean of Academic Affairs, Director of Student
Resource Center.
B.S., Michigan State University, 1992; M.A., Western
Michigan University, 2006.

Hans Morgan, 2000

Head Women's Soccer Coach.
B.A., Western Michigan University, 1996.

Lynnette Moster, 2010

Head Volleyball Coach.

Ione Ormsbee, 2010

Physical Plant Housekeeper.

Joanne Osborn, 2009

Customer Service Specialist for Student Services.
B.A., Olivet College, 2009.

Myrna Pedelty, 1999

Administrative Assistant for Student Resource Center.
A.A., Northern Arizona University, 1973.

Gretchen Peters, 2008

Library Assistant.

Marty Pierson, 2002

Physical Plant Maintenance Tradesperson.

Douglas Reynolds, 2010

Physical Plant Tradesperson.

Becky L. Roberts, 2002

Mailroom Supervisor.

Jeff Rutter, 2005

Chartwells Assistant Food Service Director.

Jacob Schuler, 2004

Assistant Dean for Student Life, Blair Hall Director.
B.A., Kansas State University, 2004.

Kandy Slack, 2011

Information Technology Services Technician.
A.A., Kellogg Community College, 2011.

Barbara J. Smith, 1989

Physical Plant Painter/Utility Person.
B.F.A., Michigan State University, 1982.

Cathy Smith, 2006

Data Application Specialist for Enrollment Management.

Larry Smith, 2005

Director of African-American Cultural Center, Assistant Football Coach. B.A., Wayne State University, 1982; M.A., Grand Valley State University, 2000.

Mike Smith, 2008

Assistant Football Coach, Retention Officer. B.A., Michigan State University, 1976.

Bruce Snyder, 2003

Director of Publications and Web Services. B.F.A., Center for Creative Studies, 1984.

Victoria Snyder, 2010

Admissions Representative.

Marie Steele, 2006

Insurance Program Coordinator.

Chris Stewart, 2008

Assistant Football, Head Track and Field, Strength and Conditioning Coach, HHP Instructor. B.A., Adrian College, 2003; M.A., Michigan State University, 2007.

Leslie Sullivan, 2008

Registrar.

Jacob Taber, 2007

Head Swimming and Diving Coach, Aquatics Director. B.A., Hope College, 2004.

Dave Tanis, 2011

Head Lacrosse Coach.

Dianne Thomas, 2006

Director of Betsy Dole Women's Resource Center. B.S., Southern Illinois University, 1979.

Shannon Tiernan, 2002

Director of Corporate and Foundation Relations. B.S., Michigan State University, 1999.

Jerry Triage, 2010

Assistant Football Coach.

Stacey Tuttle, 2011

Physical Plant Tradesperson.

Ponja Vahs, 1996

Administrative Assistant for Institutional Advancement. B.A., Olivet College, 2003.

Maria VanArman, 2009

Customer Service Specialist for Student Services.

Emily VanDorpe, 2011

Admissions Representative. B.A., Olivet College, 2009.

Sarah Vanden Heuvel, 2008

Financial Aid Officer, Student Employment Director. B.A., Olivet College, 2008.

Karine M. Walters, 2010

Administrative Assistant for Athletics. B.A., M.A.T., Olivet College, 2006, 2010.

Tamyra S. Walters, 1990

Director of Housing, Conferences and Special Events. B.A., Olivet College, 1980.

Erica Weaver, 2007

ITS Coordinator.

Chelsey L. Wetzel, 2010

Physical Plant Housekeeper.

Lisa Webb, 1997

Payroll Specialist. B.A., Olivet College, 2000.

Adam Wilson, 2011

Admissions Representative. B.A., Olivet College, 2011.

John Wilson, 2010

Facilities Manager.

Chad Wiseman, 2009

Head Men's Soccer Coach.

Kathi L. Wireman, 1998

Physical Plant Housekeeper.

Therese E. Wood, 1994

Director of Human Resources. B.A., Olivet College, 2007.

Robert Wright, 2009

Facilities and Grounds Supervisor.

Faculty

Regina Armstrong, 2006

Chair, Social Science Department; Assistant Professor of Criminal Justice. B.S., Ferris State University, 1997; M.S., Ferris State University, 2006.

Laura A. Barlund-Maas, 1990

Associate Professor of English. B.A., Olivet College, 1988; M.A., Vermont College of Norwich University, 1994.

Dina Battaglia, 2008

Associate Professor of Psychology. B.S. Arizona State University, 1993; M.S., Ph.D., Texas Christian University 1996, 1999.

Ross Bohms, 2008

Chair, Mathematics and Computer Science Department; Assistant Professor of Mathematics. B.A., Olivet College, 1971; M.A., Michigan State University, 1975.

Carol A. Breed, 2001

Director of Risk Management and Insurance Center; Professor of Business and Insurance. B.A., Olivet College, 1998; J.D., Cooley Law School, 2001.

R. Wayne Buletza, 2007; 2011

Part-time instructor of Education, B.S, M.A, Ph.D., Western Michigan University, 1971, 1974, 1979.

Dustin Byrd, 2008

Assistant Professor of Interdisciplinary Studies. B.A., M.A., Western Michigan University, 2000, 2004.

Karen Chaney, 2008

Associate Dean for Academic Affairs; Chair, Liberal Arts Core Program; Assistant Professor of Religious Studies and Ethics. B.A., Michigan State University, 1980; M.Div., Harvard Divinity School, 1987; Ph.D., Graduate Theological Union, 2007.

Norma L. Curtis, 1988

Chair, Education Department; Professor of Education. B.A., Alma College, 1969; M.A., Michigan State University, 1988.

Marcus M. Darden, 2001

Assistant Professor of Computer Science. S.B., Massachusetts Institute of Technology, 1992; M.S., University of Michigan, 2000.

Maria G. Davis, 1994

Provost and Dean of the College; Professor of Biology. B.S., Siena Heights College, 1983; M.S., Bowling Green State University, 1985; Ph.D., Michigan State University, 1989.

Cynthia Eller, 1991; 2011

Assistant Professor of Art, Visual Arts Department. B.F.A., University of Michigan, 1989, M.F.A., University of Michigan, 1991.

Michael F. Fales, 1992

Director of Service Learning and Campus Ministries; Assistant Professor of Religious Studies; International Students Co-Advisor. B.A., Olivet College, 1975; M.Div./M.Min., Earlham School of Religion, 2007.

James T. Farnum, 2000

Assistant Professor of HPERS; Head Softball Coach. B.A., Alma College, 1993.

Patrick Fields, 2008

Assistant Professor of Biology. B.S., University of California, Davis, 1977; M.A., University of California Berkeley; Ph.D., 1983; Ph.D., Michigan State University, 1996.

Timothy S. Flynn, 2002

Chair, Performing Arts Department; Associate Professor of Music. B.Mus., George Mason University, 1986; M.Mus; Ph.D., Northwestern University, 1987, 1997.

Michael Fredericks, 2002

Assistant Professor of Computer Science. B.B.A., Northwood University, 1998; M.A., Central Michigan University, 2007.

Lisa Furman, 2011

Assistant Professor of Music. B.M.E., Michigan State University, 1998; M.M.E., University of Michigan, 2008.

Charles A. Graessle, 1980

Professor of Psychology; Director of Institutional Research. B.A., University of Illinois at Chicago Circle, 1970; M.A., Ph.D., University of Illinois, 1971, 1978.

Kirk Hendershott-Kraetzer, 1999

Chair, Humanities Department; Professor of Humanities. B.A., Hope College, 1987; M.F.A., Western Michigan University, 1990; Ph.D., Michigan State University, 1999.

John S. Homer, 1979

Chair, Business Administration Department; Professor of Economics; Civilization Studies Program Director. B.A., Western Michigan University, 1968; M.A., Ph.D., University of Hawaii, 1969, 1991.

Susan M. Houston, 1989

Professor of Business. B.S., Ferris State University, 1973; M.B.A., Western Michigan University, 1977.

Nick Juday, 2004

Assistant Professor, Chair, HHP Department. B.A., Manchester, (Ind.) College, 1996; M.A., Physical Education, Western Michigan University, 2000.

Ramona Kime, 1984; 2010

Associate Professor of Music. B.A., Olivet College, 1980; Ph.D., Piano Pedagogy and Music Education, University of Oklahoma, 1998.

Leah R. Knapp, 1990

Professor of Biology. B.S., Cook College at Rutgers University, 1981; D.V.M., Michigan State University, 1986.

Craig Korpela, 2000; 2010

Assistant Professor of History and Political Science. Ph.D., Public Administration, Western Michigan University, 2010.

Susanne M. Lewis, 2004

Assistant Professor of Chemistry. B.S., Regis College; Ph.D., University of New Hampshire, 2004.

Linda Logan, 1997

Vice President and Dean of Student Life. Professor of Sociology and Anthropology. B.A., Saginaw Valley State University, 1988; M.A., Central Michigan University, 1991; Ph.D., Michigan State University, 1997.

Ronda Miller, 2007

Associate Dean of Academic Affairs, Director of Student Resource Center, Associate Professor of Interdisciplinary Studies. B.S., Michigan State University, 1992; M.A., Western Michigan University, 2006.

Samantha Myers, 2008

Assistant Professor of Interdisciplinary Studies, Writing Program Director. B.A., Western Michigan University, 2003; M.A., Indiana State University, 2006.

Lynda Neff, 2011

Assistant Professor of Insurance and Risk Management. B.S., High Point University, M. S., The American College, 2000.

Cynthia Noyes, 1995

Associate Professor of Sociology/Anthropology; Pre-law Program Director. B.A., University of Illinois, Urbana, 1978; J.D., Franklin Pierce Law Center, 1984.

Martha Perkins, 2000

Associate Professor of Humanities. B.A., Trinity University, 1993; M.A., University of East Anglia, Norwich, England, 1994; Ph.D., University of Houston, 2000.

Janine Peters, 2002

Associate Professor of Mathematics and Computer Science. B.S., Lawrence, 1986; M.A., Wayne State University, 1988.

Phil Reed, 2003

Director of Criminal Justice Program; Assistant Professor of Criminal Justice; Director of Campus Safety. B.A., Hope College, 1977; M.P.A., Western Michigan University, 2001.

Sylvia Rogers, 2011

Assistant Professor of Education. B.A., M.A., Michigan State University, 1972, 1978.

Thomas Sampson, 2007

Assistant Professor of Education. B.S., M.A., Eastern Michigan University, 1968, 1972; Ph.D., Michigan State University, 1980.

Susan Settle, 2006

Assistant Professor of Education. B.A., M.A., Michigan State University, 1972, 1979.

Michael Sherzer, 2010

Assistant Professor of Criminal Justice. M.A., Public Administration; FBI National Academy, 1996.

Gary Smith, 2007

Assistant Professor of Journalism. B.A., The College of William and Mary, 1977; M.A., University of Colorado, 2007.

Renee Smith, 2009

Assistant Professor of Business Administration. B.B.A., Western Michigan University, 2000; M.S.A., Western Michigan University, 2006.

Clair Stevens, 2009

Associate Professor of Insurance and Risk Management. B.A., Olivet College, 1980; J.D., Thomas Cooley Law School, 1984.

Nancy Van Hoozier, 1992

Associate Professor of Health and Human Performance. B.S., Fort Hays State University, 1985; M.Ed., University of Kansas, 1992.

Matt Wait, 2001

Director of the Global Citizens Honors Program; Director of Judicial Affairs; Associate Professor of Interdisciplinary Studies. B.A., Olivet College, 1999; J.D. Michigan State University, 2003.

Marcus Wasilevich, 2011

Assistant Professor of Biology. B.A., Hope College, 1996; B.S. Hope College, 1996; Ph.D., Tulane University, 2011.

Gary Wertheimer, 1986

Professor of Art; Chair, Visual Arts Department and Director of Visual Arts Program. B.A., Brooklyn College, 1974; M.F.A., University of Michigan, 1986.

Marco Wiedenhoft, 2008

Assistant Professor of Physics and Mathematics. Ph.D., Western Michigan University, 2003.

Arthur E. Williams, 1997

Professor of Interdisciplinary Studies. B.A., M.A., University of Maryland, 1977, 1979; Ph.D., Ohio State University, 1984.

Joanne A. Williams, 1998

Professor of Journalism; Faculty Advisor for *The Echo*. B.S., University of Maryland, College Park, 1980; M.A., California State University, 2003.

Charles A. Wilson, 1999

Director of Student Teacher Placement; Assistant Professor of Education. B.S., M.A., Ph.D., Michigan State University, 1975, 1978, 1996.

John H. Wilterding, 1996; 2000

Chair, Natural and Physical Sciences Department. Associate Professor of Biology. B.S., University of Wisconsin, Stevens Point, 1988; M.S., Ph.D., Michigan State University, 1992, 2000.

Michelle Woodhouse-Jackson, 2003

Assistant Professor of Business. B.S., Norfolk State University, 1996; M.B.A., Baruch College, 2002.

Emeriti Faculty

Emily H. Byrens, 1975–1987; 2001–2002

Associate Professor Emerita. B.A., Michigan State University; S.M.M., Union Theological Seminary.

Joel J. Epstein, 1968–1999

Professor Emeritus of History. B.A., Queens College; M.A., University of Michigan; Ph.D., Rutgers University.

Richard C. Fleming, 1961–1994

Professor Emeritus of Biology. B.A., Kalamazoo College; M.A., University of Kansas; Ph.D., Michigan State University; Sc.D., Olivet College.

Jare T. Klein, 1968

Head Wrestling Coach Emeritus; Professor of Health, Physical Education, Recreation and Sport. B.S., M.A., Western Michigan University, 1957, 1961.

Gary A. Morrison, 1967–1999

Professor Emeritus of Civilization Studies. B.A., Kalamazoo College; M.A., Western Michigan University.

Donald C. Rowe, 1968

Professor of Art. B.S., Illinois Institute of Technology, 1966; M.F.A., University of Hartford, 1968.

Linda Jo Scott, 1978–1998

Professor Emerita of English. B.A., Yankton College; M.A., Ph.D., Emory University.

Arthur R. Stevens, 1956–1982

Professor Emeritus of Political Science. A.B., Tufts University; M.A., Fletcher School of Law and Diplomacy; Ph.D., Michigan State University; Sc.D., Olivet College.

Laura Berghorst Verplank, 1981–1989

Alumni Director Emerita. B.S., Olivet College; M.A.L.S., University of Michigan; Litt.D., Olivet College.

Donald E. Walker, 1965

Professor of History. A.B., Indiana University, 1963; M.A., University of South Dakota, 1964; Ph.D., Michigan State University, 1982.