

Industrial Management

Emphasis Overview: This emphasis is designed to provide students with a general knowledge of management and organizational concepts used in industrial environments. Students who seek this emphasis will develop a broad-based understanding of technical operations that include project, quality control, and inventory management. Industrial Management prepares students for professional positions in areas relating to manufacturing, quality assurance, and logistics.

COURSES

TECH 4813. Operations Systems Research Quantitative techniques for decision making, break even analysis, economic models, gaussian distributions, inventory control, production models, and mathematical programming.

TECH 4823. Quality Assurance The principles and practices of quality in manufactured products. Familiarization with industrial methods and equipment used in quality assessment. Basic topics include histograms, Pareto diagrams, control charts, acceptance sampling, process capability, cause and effect diagrams, reliability, visual inspection, and the relationship between quality and cost.

TECH 4883. Work Center Management A survey course that addresses the problems of managing a small working unit, such as a department, within a larger unit, such as a company. Topics to be addressed include, goal identification, staffing needs, monitoring of work process reporting, work center communications, and interpersonal relations within the work center.

RET 3113. Fundamentals and Applications of Renewable Energy Fundamental principles and applications related to biofuels, wind, solar, hydrogen and other emerging alternative energy technologies along with their applications.

TECH 3863. Industrial Safety An introduction of the basic concepts of safety and health. Topics include the role of the safety professional, social, legislative, and regulatory requirements as well as the concepts of hazard recognition, evaluation, and control.

TECH 3773. Statistics Basic concepts and methods of statistics in a technical environment, including descriptive statistics, significant tests, estimation, sampling, and correlation. Demand

Communications

Emphasis Overview: This emphasis is designed to provide students with interpersonal skills and a general knowledge of how to use messages to generate meaningful interactions. Students who seek this emphasis will develop a broad-based understanding of the theory of communication, as well as how to speak, write, and think effectively. Communication prepares students for professional positions in areas relating to business, education, media, and social services.

COURSES

PRAD 3013 Promotional Writing for Electronic Media Methods and techniques of writing non-news radio and television scripts and web content. Emphasis on commercials and program continuity, promotional announcements, public service announcements. Some attention to teleplay, screenplay and corporate video

techniques.

PR 3003. Principles of Public Relations Nature and theoretical foundation of public relations, its role in society, practitioners and dynamics of the process.

COMS 3363. Communications Research Methods Study and use of research tools and theories available for mass communications problem solving. Emphasis will be on library research, theory approaches, and applied research as applied to the media.

COMS 4243. Interpersonal Communication Emphasis on increasing student's capacity for openness, sensitivity, and objective appraisal

COMS 4373. Conflict Resolution Conflict as a communication variable created through inter- personal interaction in dyads, small groups, families, and organizations.

PR 4603. Crisis Communication An investigation of communications during crises, focusing on public relations, advertising and other persuasive efforts by institutions, corporations, movement leaders, and citizens to describe, persuade and shape human interactions with their environment during a crisis.

COMS 2243 Principles of Argumentation Principles of logical reasoning used in advocacy, analysis, use of evidence, inductive and deductive reasoning.

COMS 2313 Communication Theory Study of foundational and current theories of communication and applications of these theories in communication contexts. Prerequisite, COMS 1203.

COMS 2373 Introduction to Interpersonal Communication A study of interpersonal communication. Prerequisite, COMS 1203.

COMS 4383 Computer Mediated Information his course considers how identities, relationships and communities are created and influenced by our use of computers and the internet. We will gain understanding of these processes by engaging new media scholarship and activities involving different forms of new media. Prerequisite, COMS 1203

COMS 4423 Narratives in Health and Healing Explores the social construction of health, illness, and healing through the study narrative.

COMS 3243 Principles of Persuasion Theory and practice of persuasion as an instrument in motivating human conduct.

COMS 4263 Organization Communication Dynamics and theories of communication within an organization.

Criminology

Emphasis Overview: This emphasis is designed to provide students with general knowledge, skills, and insight into the criminal justice system. Students who seek this emphasis will develop a broad-based understanding of criminal behavior, investigation, and prevention. Criminology prepares students for professional positions in areas relating to local and state law enforcement, social services, and private security or investigation.

COURSES

CRIM 3263. Criminology Sociological patterns of crime and criminals, with emphasis on causes, effects, and prevention.

CRIM 3323. Juvenile Delinquency Causative factors in home, school, and community, extent of the problem, and methods of prevention and treatment.

CRIM 3183. Institutional Corrections An examination of the context, structure, and dynamics of local, state, and federal criminal confinement facilities.

CRIM 3193. Community Corrections An examination of non-institutional correctional agencies and techniques including probation, parole, diversion, pretrial release, community service, restitution, halfway house, and similar programs.

CRIM 3223. Police and Society Explores the relationship of the police to courts, probation, community corrections, institutional corrections, and parole. Also explores the relationship between police and other social institutions and the philosophy of police as an agent of social control.

CRIM 4103. Criminal Justice Systems General functions of the individual agencies and the duties and responsibilities of the individuals who perform these functions

CRIM 1023 Introduction to Criminal Justice The introductory survey course in criminology, dealing with the main components of the criminal justice system including the police, courts, and corrections, as well as issues and procedures pertinent to the operation of these components. Prerequisite for CRIM 4103

CRIM 2263 Criminal Evidence and Procedure Rules of Evidence of import at the operational level in law enforcement and criminal procedures, personal conduct of the officer as a witness, examination of safeguarding personal constitutional liberties

CRIM 3423 Serial Homicide Historical and current trends in serial homicide, including viewpoints of offenders, victims, and law-enforcement community.

CRIM 4243. Social Justice Social justice in the criminal justice system, including issues of race, class, gender, and sexual orientation

CRIM 460V. Special Problems Individually directed problems in criminology. Must be arranged in consultation with a professor, and approved by the department chair.

Health

Emphasis Overview: This emphasis is designed to provide students with a general knowledge about behaviors, lifestyles, and societal issues relating to health. Students who seek this emphasis will develop a broad-based understanding of how to promote health awareness, healthy behaviors, and wellness plans for individuals, families, and communities. Health prepares students for professional positions in areas relating to nutrition, health promotion, social services, public health education, and city health planning.

COURSES

HLTH 2513, Principles of Personal Health Principles, problems, and practices in the development of positive health behavior.

HLTH 3523, Public & Community Health Examination of public and community health problems, their causes, and possible solutions from a local, state, national, and international perspective. Roles of the individual and the community, and functions of the various agencies involved with health related issues will also be studied.

HLTH 4543, Drug Use and Abuse An exploration of the physical, mental, emotional, and social aspects of drug use and abuse. Special attention will be focused on proper use of drugs within contemporary society.

HLTH 2523, First Aid and Safety Fundamentals, techniques, and practices of Standard First Aid and CPR as prescribed by the National Safety Council. Emphasis on programs of accident prevention in schools, homes, recreational areas, traffic safety

HLTH 4523, Current Issues in Health Current issues and trends in personal, public, and international health with stress on individual research and readings.

HLTH 4513 Consumer Health, An analysis of the health services and health products offered in the market place and study of principles involved in making wise consumer health choices.

Physical Education

Emphasis Overview: This emphasis is designed to provide students with a general knowledge about personal and educational physical fitness. Students who seek this emphasis will develop a broad-based understanding of how to plan and implement recreational physical activity programs. Physical Education prepares students for professional positions in areas relating to recreational sports, wellness, and physical fitness.

COURSES

PE 4843 Philosophy & Ethics in Sport, An exploration of major issues, ethical theories, moral reasoning and their impact on the operation of programs in sport, physical education, fitness, athletics, and recreation.

PE 4753 Physical Education Curriculum, The course is designed to prepare prospective teachers to develop, implement, and assess the curricula within physical education.

PE 4783 Organization and Administration of Physical Education, Problems relating to the planning and management of physical education programs in the public school.

PE 3813 Concepts of Athletic Training, A course designed for physical educators, coaches and students interested in the care of sports related injuries.

PE 480V Principles and Problems of Coaching,

PE 3893 Sport in Society, An overview of the impact and significance of play and sports as a social institution.

Political Science

Emphasis Overview: This emphasis is designed to provide students with a general knowledge of public policy in relation to becoming a more informed citizen. Students who seek this emphasis will develop a broad-based understanding of political issues and large bureaucracies. Political Science prepares students for professional positions in areas relating to politics, government services, business, and nonprofit organizations.

COURSES

POSC 3183. Criminal Law and the Constitution An examination of state and federal police powers and how they are regulated by the Constitution and statutes.

POSC 3153 American Presidency U.S. presidency and national executive processes in the American political system

POSC 3223 European Political Systems A comparative analysis of major European political systems in terms of their pressure groups, political parties, and policy formation processes.

POSC 3303 Introduction to International Politics Various approaches to the study of international politics.

POSC 3003 Introduction to Political Analysis Introduction to the discipline of political science, its subfields, and to the use of the social scientific method and logical inquiry.

POSC 3423 American Political Theory An analytical study of American political theories from the precolonial era to the present and their impact upon our political institutions

POSC 3433 Political Ideologies Contemporary political ideas and movements, including liberalism, conservatism, anarchism, fascism, communism, and nationalism.

POSC 3503 Principles of Public Administration Survey of the field of public administration and its problems.

POSC 3123 American Constitutional Law Constitutional theories as expounded in decisions of the Supreme Court since 1789. Questions such as the nature of law and political theories underlying Supreme Court decisions will be investigated.

POSC 3173 Civil Liberties Rights and the Constitution Judicial and statutory interpretations of the fundamental liberties contained in the U.S. Constitution.

POSC 3203 Introduction to Comparative Politics Surveys the field of comparative politics, with case studies of selected countries.

POSC 4223 Middle Eastern Political Systems Major Middle Eastern political systems, with concentration on their common characteristics and major differences.

POSC 3453 Modern Political Theory Writings of modern political philosophers such as Machiavelli, Hobbes,

Sociology

Emphasis Overview: This emphasis is designed to provide students with a general knowledge of human behavior and the differences in social, cultural, and economical backgrounds. Students who seek this emphasis will develop a broad-based understanding of social systems, issues, and problems, while thinking critically about social solutions. Sociology prepares students for professional positions in areas relating to social services, government, public relations, advocacy, education, counseling, and social work.

COURSES

SOC 2213 Introduction to Sociology Human society and social behavior.

SOC 2223 Social Problems Application of sociological concepts and methods in the analysis of current social problems in the United States, including family and community disorganization, delinquency and crime, mental illness, and intergroup relations.

SOC 4243 Social Theory Examination of the context, content and contributions of sociological thinkers up to the early 20th century.

SOC 4293 Methods of Social Research Overview of quantitative and qualitative tools used in the social sciences to analyze relationships among social variables

SOC 3463 Collective Behavior Various types of unusual group behavior, such as panics, riots, protests, fads, urban myths and legends, and millenarian groups.

SOC 3353 Minority Groups Examines race, ethnicity and other bases for minority status in society, focusing on social inequality and the social construction of minority and majority group statuses and relations.

SOC 3003 Sociology of Gender Origins, acquisition, structure, and change of gender roles in contemporary society, examined in terms of impact upon both the individual and society.

SOC 4063 Sociology of Disasters Discusses socio-cultural aspects of natural and human made disasters, with an emphasis on social causes and consequences

SOC 3223 Sociology of Families Emphasizes the sociocultural factors influencing the structure and development of marriage and the family.

SOC 3313 Sociology of Sexuality Examines sexuality from a sociological perspective, focusing on the social construction of sexuality and the moral and political controversies that surround it.

SOC 3383 Social Statistics Central concepts and techniques of conducting descriptive and inferential analysis employed in quantitative investigation to understand social processes and phenomena. Prerequisites, MATH 1023 or MATH course that requires MATH 1023 as a prerequisite. Corequisites, SOC 3381 Social Statistics Laboratory.

SOC 3381 Social Statists Laboratory Laboratory associated with SOC 3383. Corequisite, SOC 3383.

SOC 4323 Applied Research Techniques for analyzing social science data using the Statistical Package for the Social Sciences and other data analysis systems. Prerequisites, SOC 3383 and 4293, or equivalents.

Pre-School Education/Childhood Services

Emphasis Overview: This emphasis is designed to provide students with a general knowledge of curriculum and instructional concepts used in environments or agencies that provide services for young children. Students who seek this emphasis will develop a broad-based understanding of child development and best practices in childhood education. Pre-School Education/Childhood Services prepares students for professional positions in areas relating to child services, day care centers, pre-school education; youth program coordinator, child activities instruction, early childhood advocacy or outreach, childcare director, and nonprofit organizations.

COURSES

ECH 2013. Survey of Early Childhood Education Focuses on historical and philosophical foundations, current and legal issues, program models and settings and how to apply appropriate strategies to early childhood education programs. Seven clock hours of required observation, as identified by instructors.

ECH 2023. Child Development Study of relevant child development data, encompassing development from conception to the middle childhood years. Practical application of theory is provided through a variety of hands on experiences and observations. Five clock hours of experience with children, as identified by instructors.

ECH 3043. Program Development and Management for Early Care and Education Centers Provides students with knowledge and skills to develop and manage early childhood programs focusing on the care and education of infants and toddlers. Five clock hours of Field Experience required, as identified by instructors.

ECH 3053. Curriculum Development in Early Childhood Education Provides students with opportunities to develop and implement appropriate curriculum experiences in the Preschool and Kindergarten setting. Three clock hours of work in the P through 3 settings, as identified by instructors.

ECH 3603. Literacy for Children and Families Provides students with knowledge of literacy development beginning at birth, and methods to involve families in the literacy process. Six clock hours of observation is required with infants, toddlers, and preschoolers, as identified by instructors.

ECH 3613. Strategies for Supporting Learning Through Play Emphasizes the role of play in the development and learning of typically and atypically developing children, play as a mode to understand children, and strategies to use play to support the learning and development of children. Ten clock hours of Field Experience required, as identified by instructors.

Education

Emphasis Overview: This emphasis is designed to provide students with a general knowledge of organization and curriculum planning, management principles, and educational technology used in learning environments. Students who seek this emphasis will develop a broad-based understanding of how to design lesson plans, develop classroom management techniques, maximize best teaching practices for student engagement and achievement, and how to assess the general and specific needs of students to create meaningful learning experiences. Education prepares students for professional positions in areas relating to teaching, mentorship, after- school program coordination, paraprofessional classroom educator, and academic advisor.

Note: This concentration does not lead to a teaching certificate, but may precede graduate study for the Master of Arts in Teaching (MAT) Program.

COURSES

ECH 2003. Introduction to Educational Technology Introduction to the use of technology in an educational setting, including system operations.

ELED 3003. Human Growth and Learning Study of the nature and development of the child, including major theories of learning and learning processes. Four clock hours of child study projects required, as identified by instructors. Special course fees may apply.

ECH 3063. Individualizing Programs for Children and Families Methods for individualizing programs for young children and their families, based upon individual strengths and needs. Six clock hours of observation required, as identified by instructors.

RDNG 4313. Methods and Materials in Reading Focuses on techniques and materials for teaching students with different learning styles. Emphasis on the basal reader, whole language, linguistic, language experience, and individualized approaches.

ELED 4613. Techniques of Behavior Management Techniques of systematic behavioral intervention, including all areas of exceptionality in regular classes, special classes, itinerant and resource programs. Students must complete a fifteen clock hour case study and behavior management project, as identified by instructors.

ECH 4063. Social Foundations of Education Develops a basic understanding of the foundations of the educational function in American society. Emphasis on the history, philosophy, and professional aspects of teaching.