

## Technology

**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 4853 Lean 6 Sigma for Manufacturing** Principles of Lean Manufacturing including strategies to eliminate waste and reduce cost, and continuous quality improvement using the principle of Six Sigma; advanced quality assurance terminology and application of statistical practices in manufacturing management.

**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

**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.

**RTV 3363. Communications Research** 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.

**SCOM 4243. Interpersonal Communication** Emphasis on increasing students capacity

for openness, sensitivity, and objective appraisal

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

**SCOM 4383. Computer Mediated Communication** This 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.

## **Criminology**

**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.

or

**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.

**POSC 3083. Criminal Law and the Constitution** PUBLIC LAW. An examination of state and federal police powers and how they are regulated by the Constitution and statutes.

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

## **Health**

**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

**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.