Health Sciences Courses

322 POLLUTION PREVENTION  
3 sem. hrs.  
Basic methods in pollution prevention as applied to industrial and non-industrial settings. Prerequisites: HSC 145; MAT 119.

350 FOOD PROTECTION  
3 sem. hrs.  
An intensive study of the laws, principles, and techniques applied in the protection of food and milk for human consumption. Lecture and lab. Materials charge optional. Prerequisites: HSC 145; BSC 160 or concurrent registration.

362 ERGONOMICS  
3 sem. hrs.  
Overview of physical and psychological aspects of ergonomics, including workstation design, accident causation, and ergonomic-related injuries and illnesses. Prerequisites: MAT 120 or 145; PHY 105 or 108; HSC 204 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

370 SAFETY TRAINING DEVELOPMENT  
3 sem. hrs.  
Principles, responsibilities, and techniques for developing, and administering an industrial safety training program, including principles of adult learning. Formerly INDUSTRIAL SAFETY. Prerequisites: HSC 381.

372 ACCIDENT/INCIDENT INVESTIGATION, RECORDS, AND EVALUATION  
3 sem. hrs.  
Theory, function, and application of accident/incident investigation, reporting and analysis systems. Form design, utilization and record keeping procedures. Prerequisites: HSC 381; MAT 120 or 145; PHY 105 or 108.

378 DISASTER PREPAREDNESS  
3 sem. hrs.  
Organizing, directing, coordinating disaster services in schools, industry, and local government. Includes a hands-on disaster exercise. Prerequisites: CHE 110 and 112 or CHE 140 or BSC 145; or consent of the instructor.

380 FIRE PROTECTION AND PREVENTION  
3 sem. hrs.  
Measures related to safeguarding human life and preservation of property through prevention, detection, and suppression of fire. Prerequisites: HSC 381; PHY 105 or 108.

381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)  
4 sem. hrs.  
Interpretation of the provisions of the Occupational Safety and Health Act; the regulations, standards, and reporting requirements pursuant to it. Prerequisites: HSC 170, 271; CHE 140 or concurrent registration.

382 IMPROVING SAFETY PERFORMANCE  
3 sem. hrs.  
Development of specialized knowledge and skills in problem-solving, evaluation and implementation of occupational safety programs. Prerequisites: HSC 370; HSC 204A02 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

383 AGRICULTURAL SAFETY AND HEALTH  
3 sem. hrs.  
Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement of countermeasures. Half-day field trip required. Also offered as AGR 383.

384 HAZARDOUS MATERIALS REGULATIONS  
3 sem. hrs.  
Overview of federal and state safety and environmental regulations dealing with hazardous materials in the workplace and community. Prerequisite: CHE 140.

385 SYSTEM SAFETY  
3 sem. hrs.  
Risk and life cycle concept. Application of inductive and deductive analytical techniques for hazard identification and risk assessment. Prerequisite: HSC 204 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

387 PROGRAMS IN SCHOOL HEALTH  
3 sem. hrs.  
Comprehensive school health education with major topics of health education, school health programs, and school community collaboration. Prerequisites: HSC 290 and 292.

390 DRUGS IN SOCIETY  
3 sem. hrs.  
Psychological, social, medical, legal and economic aspects of use, misuse and abuse of substances will be explored along with the implications for education and prevention. Prerequisites: Health Education major or minor only. A minimum of 45 hours completed.

391 CURRICULUM AND EVALUATION IN SCHOOL HEALTH  
3 sem. hrs.  
School health education standards, curriculum development and evaluation, student assessment and accommodation for student with special needs. Includes clinical experience: 10 hours. Prerequisites: HSC 290; Admission to Professional Studies.

394 HEALTH ASPECTS OF AGING  
3 sem. hrs.  
Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as FCS/KNR 394.

395 HEALTH COMMUNICATION AND SOCIAL MARKETING  
3 sem. hrs.  
Analysis and development of print and non-print materials and their use by health educators. Formerly MEDIA AND MATERIALS IN HEALTH EDUCATION. Prerequisites: Grade of C or better in HSC 286 and 290A01 or 290A02. Health Sciences major only.

396 HEALTH EDUCATION PROGRAM PLANNING AND EVALUATION  
3 sem. hrs.  
Theory and application of health education planning and promotion. Grantsmanship and evaluation will be emphasized. Prerequisites: Grade of C or better in HSC 286 and 290A01 or 290A02. Health Sciences major only.

499 MASTER'S THESIS  
1-6 sem. hrs.  
Refer to General Courses.