

HEALTH SCIENCES (HSC)**305 Felmley Hall, (309) 438-8329****HealthSciences.IllinoisState.edu****Chairperson:** Jeff Clark**Programs Offered**

Graduate degrees are not granted in the Department of Health Sciences, but coursework is available as supplemental study or electives.

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.