

HAZARDOUS WASTE MANAGEMENT (ITHM)

ITHM 300 PRIN OF HAZARDOUS MATERLS MNGT (3 Hours)

Prerequisite: CHEM 141.

An introductory survey course for the hazardous materials management program. Provides firm foundation on basic hazardous materials management principles. Topics include definitions of hazardous materials, regulatory overview, technology for storage and disposing hazardous materials, air and water quality Issues Industrial hygiene and hazardous waster management. (F)

ITHM 301 REGULATORY FRAMEWORK (3 Hours)

Prerequisite: ITHM 300, CHEM 141.

A study of legislation and regulations surrounding hazardous materials and toxic waste. A study of major legislative/regulatory areas which include: RCRA, TSCA, OSHA, HMTA, CERCLA, and EPA. (S)

ITHM 302 TECH FOR STR TREATMENT DIP HM (3 Hours)

Prerequisite: ITHM 300, CHEM 141.

A study of basic principles of hazardous waste management. Methods of treatment and disposal. A comprehensive look at the technologies and related issues in hazardous waste management. (S)

ITHM 402 INDUSTRIAL HYGIENE (3 Hours)

Prerequisite: ITHM 300, CHEM 141.

An overview of occupational health hazards, their recognition, evaluation, and control. Emphasis on how industries are regulated and how occupational health standards are promulgated. (F, S)

ITHM 405 RISK ASSESSMENT (3 Hours)

Prerequisite: ITHM 300, CHEM 141.

Examines the risk assessment process and its application in various situations, ranging from setting hazardous facilities to regulation and control of toxic substances in the environment. Risk analysis methods and their interaction with social economic and political factors. (F, S)