



Risk Assessment and Management

University of Regina

Objectives for Innovation

Audiographic conferencing

Intended Audience

Government, industry and engineering professionals

Undergraduate university engineering students

Students in SIAST engineering technology programs

Results Achieved

Audiographic materials for instruction in risk assessment and management via a local computer network at the student's convenience

Basic knowledge without significant mathematical content for government, industry and engineering professionals

Quantitative mathematical methods

Flexible access for individuals across the province

Implementation

November 1996

The Risk Assessment and Management program provides a series of modules for training engineering professionals and students via a local computer network at the student's convenience, using audiographic conferencing.

The modules are designed to help students gain an understanding of risk, how to assess and manage risk, techniques used in risk assessment and mediation, and the relevance of risk management to public and regulatory agencies. Notes, texts and drawings are provided on topics such as basic mathematics and analysis, hazard identification, hazard assessment techniques and risk management considerations.

Training in risk assessment and management has evolved over the past 40 years in response to an identified need for managing high risk technologies, notably in nuclear and aircraft industries. In addition, techniques of risk assessment are used in areas such as finance, health and the environment. An understanding of the concepts of risk helps individuals to increase their success in managing projects. This program helps to meet the growing demand for information on risk assessment and management.

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