

HFS371 Risk Assessment and Management

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

Students will be introduced to the tenets underlying risk assessment and management and are exposed to methods of assessing and managing risk at the workplace. In order to implement better risk management programmes, students are also taught decision-making processes and strategies and how these influence risk decisions. Social, economic, cultural and psychological factors affecting decision making will be discussed and applied to risk decision making. The implementation of OHS risk management at workplace requires the use of different type of tools and methodologies which will be discussed. Standards used to assess OHS risk management will be discussed. How risks assessed, communicated and controlled will also be covered.

Topics:

- Appraise concept of risk; Design risk management
- Construct hazards identification and risk assessment
- Distinguish risk perception; Formulate risk communication
- Compose risk control measures (Planning); Implement risk control (Implementation)
- Construct hazards identification and risk management in construction, marine and chemical industries
- Construct hazards identification and risk management in manufacturing and service industries

Textbooks:

Lee T. Ostrom, Cheryl A. Wilhelmsen: Risk Assessment: Tools, Techniques, and Their Applications (e-Book) 2nd John Wiley (2019)
ISBN-13: 9781119483410

Learning Outcome:

- Illustrate the concepts of risks and risk management.
- Analyse risk perception and how this affects risk management.
- Examine the purpose and aims of risk controls.
- Propose methods for hazard identification and conduct risk assessments.
- Design various safety control measures.
- Apply hazard identification and risk management in various industries.

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	QUIZ 1	15
	QUIZ 2	15
Overall Examinable Components	ECA	70
Total		100