

FMT316 Fire Safety Management

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

Synopsis:

FMT316 Fire Safety Engineering and Management is a professional certificate course issued by Singapore Civil Defence Force. It is a 42 hours course with theoretical and practical training. The course covers principles of fire, fire safety design, fire safety management and fire risk assessment. Participants will be introduced to topics such as fire safety act and regulations formulation of emergency response and evacuation plan, performance-based fire safety and fire risk assessment. The course prepares students for the duties of a Fire Safety Manager.

Topics:

- Fire Safety Act and Regulations
- Basic fire science
- Fire extinguisher theory and maintenance
- Fire-fighting, fire detection alarm and smoke control systems
- In-place protection and arson prevention pl
- Fire safety committee emergency response plan; evacuation planning
- Fundamentals of fire safety design
- Storage of fire hazardous materials
- Maintenance of fire-fighting and protection systems, building inspection and testing
- Structural fire precautions and means of escape
- Performance Based Fire Safety
- Fire Risk Assessment and Incident Management

Learning Outcome:

- Determine the principles of fire safety design and management and the importance of the Fire Safety Act and Regulations
- Demonstrate understanding of the various Performance Based solutions
- Illustrate the importance of Operations and Maintenance Manual
- Examine the various systems in place in a building to ensure fire safety
- Develop an emergency response and evacuation plan
- Implement Fire Risk Assessment as a Fire Safety Manager

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	50
Overall Examinable Components	Written Exam	50

Total	100
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