

FMT213 Security Management for the Built Environment

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

Effective security management is considered to be a crucial business enabler, to safeguard the foundation of sustained competitiveness and business continuity. However, legacy security technologies such as analog CCTV cameras and stand-alone systems no longer meet today's complex security needs to counter threats, which can be as diverse as vehicle ramming, improvised explosive device, armed assailants, lone wolf aggressor, arson and CBR (chemical, biological and radiological) agents. In FMT213 Security Management for Buildings and Events, students learn about the principles, guidelines and best practices of building and events security services and management. On top of that, the course covers the emerging security technologies for facilities and events management.

Topics:

- Introduction to Traditional and Non-Traditional Security
- Human Security: Military, Political Economic, Societal and Environmental
- Security management as a critical business function and facilities management function
- Possible threat scenarios
- BizSAFE and FEMA risk management process
- Governing principles for site security design
- Prescriptive codes and performance-based decision making process; Protocols
- The concept of three layers of defense
- Passive and active barriers and deterrents
- General architectural, structural and M&E design considerations
- Site functions and security systems
- Innovation in security
- Technology in security
- Local network and Web-based security management systems
- Intelligent Security Solutions and Services and Cyber-Security
- Security as a critical business function
- Integration of security and protection strategies and techniques into facility and event design and management – case studies
- Risk Management and Business Continuity

Textbooks:

Paul R. Baker, Daniel J. Benny: The Complete Guide to Physical Security (eBook) 1st Edition CRC Press (Taylor & Francis)
ISBN-13: 9781420099645

Learning Outcome:

- Appraise potential threat scenerios and the need of the Acts and Regulations in place to enhance building and event security
- Explain the principles of security policies and management
- Describe the security services and systems in place to ensure occupant and crowd safety for a building or mega-scale event
- Evaluate risk for a building or event and determine the vulnerability and consequences of a security lapse or failure
- Recommend security and protective measures for a building/ premise or event
- Develop an emergency response plan

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	10
	GROUP BASED ASSIGNMENT 1	20
Overall Examinable Components	Written Exam	70
Total		100