

CIVL 7012 BUILDING FIRE SERVICES

Credit Points 10

Legacy Code 300711

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Description This subject describes the various types and application of building services and fire safety systems. It introduces appropriate standards for building fire service system design and the methods of applying recommendations of fire engineering assessments with respect to building services and fire safety systems.

School Eng, Design & Built Env

Discipline Building Services Engineering

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 7 subject

Equivalent Subjects LGYC 0661 - Building Fire Services

Restrictions

Students must be enrolled in a postgraduate program.

Assumed Knowledge

Building surveying, fire safety engineering and related disciplines.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. explain the operation of building fire services
2. identify and apply the relevant standards for building fire services
3. describe the relationship between fire brigade intervention and fire safety design
4. assess the adequacy of building fire safety system designs

Subject Content

Building Fire Safety Systems
Smoke Hazard Management
Automatic Fire Detection
Fire Hydrants
Hose Reels and Extinguishers
Fire Sprinklers
Special Hazard Extinguishment
Warning, communication signage and lighting
Emergency Planning and Response
Environment in which Fire Brigade Intervention Model operates
The Fire Brigade Intervention Model
Fire Brigade Operations
Fire System Reliability
Fire awareness
Hazard reduction & performance based designs and servicing, maintenance and certification.

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
Quiz	Short quiz with 10 multiple choice questions.	10	N	Individual
Essay	1500 words	20	N	Individual
Quiz	Short quiz with 10 multiple choice questions.	10	N	Individual
Essay	3000 words.	40	N	Individual
Essay	1500 words	20	N	Individual

Teaching Periods

Spring (2024)

Online

Online

Subject Contact Sameera Wijesiri Pathirana ([https://directory.westernsydney.edu.au/search/name/Sameera Wijesiri Pathirana/](https://directory.westernsydney.edu.au/search/name/Sameera%20Wijesiri%20Pathirana/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=CIVL7012_24-SPR_ON_2#subjects)