

# ENGR 7005 EMERGENCY MANAGEMENT FOR BUSHFIRE PRONE AREAS

**Credit Points** 10

**Legacy Code** 200459

**Coordinator** Grahame Douglas ([https://directory.westernsydney.edu.au/search/name/Grahame Douglas/](https://directory.westernsydney.edu.au/search/name/Grahame%20Douglas/))

**Description** This unit describes the organisational and administrative arrangements for the management of emergency events in Australia, including the role of States and local government and the techniques available to develop risk management strategies in order to minimise loss of life and property arising from bushfire emergencies. The unit describes how the three tiers of Government interact during major emergency events, the role of community engagement in emergency management and the process of developing a risk management plan for bushfire emergencies. The unit also discusses the role of post-event survey and emergency and evacuation planning at the property scale.

**School** Eng, Design & Built Env

**Discipline** Fire Technology

**Student Contribution Band** HECS Band 2 10cp

**Level** Postgraduate Coursework Level 7 subject

## Restrictions

Students must be enrolled in a postgraduate program.

## Assumed Knowledge

Bushfire behaviour, planning, building and bushfire fighting subjects.

## Learning Outcomes

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

1. Identify and describe the organisational and administrative arrangements applying to emergency events in their own jurisdiction
2. Describe the process of developing risk management strategies and their applicability to bushfire planning;
3. Discuss the techniques that can be used to develop risk management strategies, including community engagement, monitoring and review;
4. Predict the (qualitative) risk of an area arising from bushfire; and
5. Apply appropriate guidelines, standards and codes to the development of a bushfire emergency plan for a site.

## Subject Content

Legislative requirements and organisational arrangements for emergencies

Integration of the fire services and other emergencies authorities

Prevention (mitigation), preparedness, response and recovery concepts

Bushfire risk management processes and strategies

Evacuation planning in bushfire emergencies

Community engagement in planning for bushfire emergencies

Post event surveys, research and their role in emergency planning

Recovery from emergencies.

## 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.

Item	Length	Percent	Threshold	Individual/Group Task
Short Answer	1000 words	20	N	Individual
Essay	3000 words	35	N	Individual
Report	2000 words	25	N	Individual
Professional Task	Workshop tasks including 20 minute oral presentation	20	N	Individual

Teaching Periods

## Spring

### Online

### Online

**Subject Contact** Grahame Douglas ([https://directory.westernsydney.edu.au/search/name/Grahame Douglas/](https://directory.westernsydney.edu.au/search/name/Grahame%20Douglas/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=ENGR7005\\_22-SPR\\_ON\\_O#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR7005_22-SPR_ON_O#subjects))