

Building Studies
LEEDERVILLE CAMPUS
Central TAFE

Assess the Impact of Fire on Building Materials
(BCGSV5009A SIN W1465)

DELIVERY SCHEDULE AND ASSESSMENT PLAN

This Unit is a core unit within the:

Diploma of Building Surveying (W094)

This unit specifies the competency required to assess the impact of fire on building materials. It includes the research, analysis and reporting of testing conducted on a range of building materials and structures in differing circumstances to determine combustion, flammability, heat transfer, burning conditions, building material behaviour, fire loads of buildings and fire resistance.

The Unit activities will take place on Tuesday of each week (please refer to the class timetable and schedule) in room 1218 and commence at 17:00. Duration of activities at each meeting is one and a half (1.5) hours during Semester 2 - 2007.

Contact Details

Karl Boeing / Tel - 92024398 / e-mail - karl.boeing@central.wa.edu.au

The lecturer will be available to discuss issues relating to this unit after class or by appointment using the above contact details.

Recognition of Prior Learning (Skills Recognition)

Contact your Lecturer or Student Services regarding Skills Recognition if you are able to demonstrate that you have already achieved the competencies of this unit or unit. Please refer to the unit Learning Outcomes outlined in this handout, for full details of the learning outcomes and performance criteria refer to the unit Curriculum Document available in the library.

Individual Learning and Assessment Needs

Central TAFE recognises that learners may have individual needs that may affect participation in learning and assessment. Notify your lecturer or Disability Support Officer if you:

- ▶ have particular learning needs or a Disability and / or
- ▶ are unable to complete the assessment tasks as outlined in the Assessment Plan.

College services include: Independent Learning Unit [ILU], English as a Second Language [ESL], International Student Mentors, Disability Support Unit, Flexible Delivery & Online Delivery, Library Resource Centre [LRC]

DELIVERY SCHEDULE

Semester: 2/2007

Week Number	Element	Lesson Content	References
1 24-Jul-07	1	Introduction; Unit Requirements/ Assessments; Combustion process relating to building materials Endothermic and Exothermic processes Combustion heat and flame propagation	Text - hands-out Internet
2 31-Jul-07			
3 07-Aug-07	2	Flammability of matter in different states	hands-out Internet
4 14-Aug-07	3	Conditions of burning at the fire point	hands-out Internet
5 21-Aug-07		Assessment 1 - Short written responses and multiple choice questions	Refer Assessment Plan
6 28-Aug-07	1-3	Heat transfer during fire growth, development and spread of fires Compartmentation BCA requirements, FRL's	
7 04-Sep-07	4		
8 11-Sep-07	1-4	Assessment 2 - Major Research assignment	Assessment 2 handed out Refer Assessment Plan
9 18-Sep-07	1-4	Assignment research session	
10 25-Sep-07	1-4	Assignment research session	
Semester break			
11 09-Oct-07	Students contact free Week		
12 16-Oct-07	5	Behaviour of building Materials subjected to extreme heat	Assessment 2 due in
13 23-Oct-07	6	Building Fire load and BCA compartmentation	
14 30-Oct-07		Assessment 3 - Minor Research assignment Guest Speaker	Assessment 3 handed out Refer Assessment Plan
15 06-Nov-07	7	Assignment research session	
16 13-Nov-07		Requirements of fire resistance of materials, elements and forms of construction	Assessment 3 due in
17 20-Nov-07	1-3	Assessment 4 -Written Short Answer and Calculations	Refer Assessment Plan
18 27-Nov-07		Marking	
19 04-Dec-07		All assignment re-submissions due in	Refer Assessment Plan
20 11-Dec-07		Resits of written assessments if required	Refer Assessment Plan

ASSESSMENT SCHEDULE

Semester: 2/2007

Week Number	Element	Assessment Tasks	Assessment Instructions
5 21-Aug-07	1-3	Assessment 1 - Short written responses and multiple choice questions	45 minute assessment covering basic terminology and the content of the first three elements
8 11-Sep-07	1-4	Assessment 2 - Major Research assignment handed out	Research assignment as per brief to be completed on a material or combination of materials in a fire situation.
11 09-Oct-07	1-4	Assessment 2 - Major Research assignment due in	Submitted during class
14 30-Oct-07	6	Assessment 3 - Minor Research assignment handed out	Research assignment as per brief to be completed on a material or combination of materials in a fire situation.
16 13-Nov-07	1-4	Assessment 3 - Minor Research assignment due in	Submitted during class
17 20-Nov-07	All	Assessment 4 -Written Short Answer and Calculations	60 minute assessment covering content of all learning outcomes including fire calculations.
18 27-Nov-07	All	All assignment re-submissions due in	Due in by 9.00am Thursday 24th Nov
20 11-Dec-07	All	Results of written assessments if required	Assessments as per original format. Refer Building Studies Re-sit timetable

NOTE:

Candidates will need to demonstrate competence a number of times under various conditions to satisfy the Element/Performance Criteria

Under CBT and AQTF provisions candidates do not receive a percentage mark for the unit completed.

Candidates demonstrating competence will receive a grade of "CO" (competent).

Candidates failing to demonstrate competence at the end of an individual assessment task will receive the grade of "H" (Hold), and will be required to re-sit a supplementary assessment task to the required competence level.

Candidates failing to demonstrate competence at the end of the unit will receive the grade of "R" (re-enrol), and will be required to re-enrol in the unit again and complete ALL assessment tasks again to the required competence level.