CIVL 7002 ADVANCED COMPOSITE STRUCTURES

Teaching Periods

Credit Points 10

Legacy Code 301008

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Description This unit enables students to gain an in-depth knowledge into composite structures based on Australian Standards and International Standards. Recent advances in the design of composite beams, slabs, columns and connections will be introduced.

School Eng, Design & Built Env

Discipline Civil Engineering

Student Contribution Band HECS Band 2 10cp

Level Postgraduate Coursework Level 7 subject

Restrictions

Students must be enrolled in a postgraduate program

Learning Outcomes

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

1. Classify various structural systems used in composite construction including recent developments
2. Apply limit state design concepts to composite structural elements and structures
3. Analyse and determine design loads for composite structures
4. Design composite structural elements based on service loads

Subject Content

1. Composite Beams
2. Composite Floors
3. Composite Columns
4. Composite Connections

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
Assignments: Coursework	10 pages per assignment, total of 2, each worth 10%.	20	N	Individual
Mid-Semester Exam	2hrs	20	N	Individual
Final Examination (Long Answers)	2hrs	60	N	Individual