



GENERAL INSTRUCTIONS

1. This document is to be read in conjunction with the Unit Guide for this unit
2. It is the responsibility of each student to confirm submission requirements including dates, time, and format.
3. Extension or Special Consideration may be considered for late submission. It is the responsibility of each student to understand Deakin regulations regarding late submission and Special Consideration for assessment. You do not require Special Consideration for an assignment extension. You must request an extension prior to the submission time.
4. You will be required to complete **Assignments 1 and 2** as an individual and **Assignment 3** in a group. The group assignment has a number of informal reviews prior to submission. Further information will be provided regarding how groups will be allocated.
5. All assignments in this unit are based on the same project.
6. All assignments, unless otherwise noted, must be submitted electronically through CloudDeakin.
7. Unless otherwise stated, all assignments submitted through CloudDeakin must be in Portable Document Format (pdf).
8. You may refer to publications, but you must write in your own “voice” and cite the references using the Author-Date (Harvard) system. It is essential for you to fully understand what you write and to be able to verify your source if you are requested to do so later on. The library provides workshops and advice on citations and referencing.
9. The University regards plagiarism as an extremely serious academic offence. Submission through CloudDeakin includes your declaration that the work submitted is entirely your own and has not been submitted as part of another assignment in a different unit. Please make full use of the ‘Check Your Work’ folder in the Dropbox tab on CloudDeakin.
10. If you are not clear about the requirements of the assignments, please seek help as soon as possible.
11. Before starting your assignment, please read the University document, Study Skills at <http://www.deakin.edu.au/students/studying/study-support>

ASSESSMENT SCHEDULE

No	Deliverable	Mark (%)	Format	Submission Date	Description
1	Research Report, Poster, and Brief Report based on Peer Discussion	20	Individual	<ul style="list-style-type: none"> ▪ Poster Presentations and Discussions will be held during class/seminar on Friday 5th August 2022 ▪ Written submission of Report, Poster and Discussion through CloudDeakin on Friday 5th August 2022 by 8 pm 	Report, Poster, and Discussion
2	Innovation Research Paper	30	Individual	<ul style="list-style-type: none"> ▪ Friday 9th September 2022 by 8 pm through CloudDeakin 	Academic Paper
3	Group Design-Build Tender Proposal and Tender Presentation	50	Group	<ul style="list-style-type: none"> ▪ Presentations will be held during class/seminar on Friday 7th October 2022 ▪ Written submission through CloudDeakin on Friday 7th October 2022 by 8 pm 	Written Report & Presentation
		100			



UNIT LEARNING OUTCOMES FOR ASSIGNMENT 2

Once you have completed this assignment you will be able to:

- Analyse and appraise the complexity of design and construction, including economic, technical, and management considerations, for commercial buildings
 - Research new knowledge for the design and construction of complex buildings in the global built environment context
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ASSIGNMENT TASK

Now that you have a solid understanding of your building material, you will undertake further research into an element of its performance.

Each student should select two aspects of the performance or behaviour of their building material and prepare an academic paper that discusses the theory and applications (uses) relating to this aspect. One aspect must be related to **fire performance** of the chosen material. The second aspect can be chosen from any of these aspects: structural, acoustic, thermal, energy efficiency, any environmental aspect or a buildability issue.

Each student should form an opinion on whether the manufacturers' claims are reasonable.

ADDITIONAL GUIDANCE

This research should be carried out using information gleaned primarily through academic papers such as journal articles. It is anticipated that 10 journal articles will be required in order to provide a reasonable analysis on the material and its performance or behaviour.

You will not find journal papers on (say) Alucobond as a cladding material. However, you will find journal articles on flammability of façade materials. You will use the publication of these research findings to form an opinion on aluminium panels generally (and perhaps Alucobond specifically) as a façade material. Your material is only a small part of the overall paper - it is your analysis of the research on performance that is important.

THE PURPOSE OF THIS ASSIGNMENT

The purpose of this research is for you to practice your research skills, including data collection, data analysis and critical thinking. There are many choices to be made on construction projects regarding materials and processes. It is important that you are able to determine which material or practice might suit your project best through informed research, rather than acceptance of the claims of manufacturers or suppliers.

FORMAT OF ASSIGNMENT

Students are to produce an academic paper that outlines their research findings. This assignment should be presented as a single pdf document, fully referenced using the Harvard (Author, Date) system. It should include a Table of Contents and an Executive Summary. It does not need an abstract.

The Unit Guide allows for a 4000-word report, but this is for guidance only. It is acceptable to include content from Assignment 1 in Assignment 2 - you do not need to re-write it, just copy and paste! Remember to read the feedback on Assignment 1 to improve Assignment 2.

ASSESSMENT SUBMISSION

Friday 9th September 2022 at 8pm by Deakin Cloud site.

ASSESSMENT CRITERIA

A detailed rubric is attached, however a report that gains a High Distinction will be professionally presented and use a good range of academic papers to provide a comprehensive analysis of academic theory relating to performance aspects of building materials. There will be links between Assignment 1 and Assignment 2.

ASSESSMENT CRITERIA: WEIGHTING 30%

HD	D	C	P	N	Total
<p>Analysis of journal articles is comprehensively linked to performance aspect of building material. Discussion is well developed from a sufficient number and wide range of reliable sources.</p>	<p>Analysis of journal articles is well linked to performance aspect of building material. Discussion is clearly developed from a sufficient number and range of reliable sources.</p>	<p>Analysis of journal articles is linked to performance aspect of building material. Discussion is sound but the range of sources could be improved.</p>	<p>Basic analysis and discussion of journal articles. Range of sources need improvement.</p>	<p>Poor analysis and discussion. Journal articles are limited in scope.</p>	50
<p>The paper is structured to comprehensively support the purpose of the assignment. It is written in a concise, logical manner with appropriate and correct referencing. The sequence, language and presentation are compelling. Spelling and grammar are correct.</p>	<p>The paper is structured to clearly support the purpose of the assignment. It is written in a concise, logical manner with appropriate and correct referencing. The sequence, language and presentation are compelling. Spelling and grammar are correct. Minor errors or omissions.</p>	<p>The paper is structured to support the purpose of the assignment. The sequence, language and presentation are satisfactory with mainly correct referencing, spelling and grammar.</p>	<p>The paper offers basic support to the purpose of the assignment. The sequence, language and presentation are basic. Spelling, grammar, and referencing need improvement.</p>	<p>There is no clear purpose to the structure of the report. The sequence, language and presentation need improvement. There are too many spelling, grammatical and referencing errors.</p>	30
<p>The author has expressed a valid and relevant opinion on the validity of the manufacturer's claims, based on an analysis of academic research. Links between theory and use are discussed.</p>	<p>The author has expressed an appropriate opinion on the validity of the manufacturer's claims, based on an analysis of academic research. Links between theory and use are discussed.</p>	<p>The author has expressed an opinion on the validity of the manufacturer's claims, with some links to the analysis of theory.</p>	<p>The author has expressed a basic opinion on the validity of the manufacturer's claims, without apparent links to the analysis of theory.</p>	<p>There is no opinion stated or the opinion is not based on academic research.</p>	20
Total Possible Mark					100

Notes: