

# BUIL1225 Sustainability in the Built Environment – Assessment Task 2: literature review (individual assessment)

Due date:	Sunday 25 <sup>th</sup> April 2021, 11.59pm (week 7)
Assessment:	30% of the final mark for BUIL1225
Course Learning Outcomes:	CLO1, CLO3, CLO5 (descriptions below)
Marking criteria:	Assessment rubric (attached).
Submission:	Electronic submission through Canvas
Output format:	Literature review must be typed and with a logical structure Length: 2,000 – 2,500 words (without reference list) For information about how to write up a literature review see this resource: <a href="https://emedia.rmit.edu.au/learninglab/content/literature-review-overview">https://emedia.rmit.edu.au/learninglab/content/literature-review-overview</a>
Submission details:	Submit your final presentation as <b>one</b> electronic PDF file through the Turnitin link on the BUIL1225 Canvas website. Ensure that you include the authorisation statement “I declare that in submitting all work for this assessment I have read, understood and agree to the content and expectations of the Assessment Declaration.”. More details on this declaration can be found here: <a href="https://www.rmit.edu.au/students/student-essentials/assessment-and-exams/assessment/assessment-declaration">https://www.rmit.edu.au/students/student-essentials/assessment-and-exams/assessment/assessment-declaration</a>
File format:	*.pdf (To generate an Adobe PDF file, either save your file as PDF or print to a PDF printer, such as “Cute PDF”.)
Submission format:	Name your file as: First name_Surname_Ass2_literature review.pdf (e.g. John_Smith_Ass2_literature review.pdf) Paper size: A4
Referencing style:	RMIT’s Harvard Style <a href="http://www.rmit.edu.au/library/referencing">http://www.rmit.edu.au/library/referencing</a>

This task is to be submitted in accordance with the University submissions policy. The policies associated with requests for extension and special consideration can be found at the link below. Please ask the course coordinator/program manager if you are in doubt regarding the policy.  
<https://www.rmit.edu.au/students/student-essentials/assessment-and-exams>

Submissions must be made by the due date and time. **Late submissions without a granted extension of time or special consideration are marked as zero.**

- The policies associated with requests for extension of time can be found at this link: <https://www.rmit.edu.au/students/student-essentials/assessment-and->

[exams/assessment/extensions-of-time-for-submission-of-assessable-work](#). You can lodge the Application for extension of time (up to seven days) with the Course Coordinator.

- The policies associated with requests for special consideration can be found at this link: <https://www.rmit.edu.au/students/student-essentials/assessment-and-exams/assessment/special-consideration>. These applications will be assessed by specialist staff.

## Context

Research from around the world continually demonstrates that there are a range of benefits from improving sustainability outcomes in new and existing buildings. These include reduced environmental impact (e.g. lower greenhouse gas emissions, material consumption), improved occupant health and wellbeing and reduced costs for operation. Key reports also highlight the role that low carbon buildings must play in a transition to a low carbon future. Despite the evidence of the benefits of sustainable buildings (e.g. zero carbon/energy buildings), the transition of best practice sustainable buildings to business as usual practices is slow. There are a number of challenges preventing higher uptake of sustainable buildings. It is important to understand what these challenges are and think about how they could be overcome if we are to scale up the number of sustainable buildings.

This assessment task builds upon the content and discussions from the first half of the semester and requires you to write a literature review exploring recent research on challenges to the uptake of sustainable buildings. This assessment task addresses course learning outcomes 1, 3 and 5:

1. Identify the characteristics of best-practice in sustainable building initiatives
3. Identify and analyse effective strategies for achieving sustainable buildings and sustainable design outcomes
5. Evaluate and communicate the effectiveness of current sustainability initiatives and assess whether these initiatives are operating in an effective sustainability framework

Depending on the focus of your report, this assessment addresses Program Learning Outcomes 1, 2 and 3:

1. Determine and apply knowledge of complex sustainable building theory, principles and practice, to contribute to the design and management of sustainable buildings
2. Critically analyse, synthesise and reflect on sustainable building theory and recent developments, both local and international, to extend and challenge knowledge and practice
3. Professionally communicate and justify sustainable building design principles, strategies, solutions and/or outcomes, engaging effectively with diverse stakeholders, including across the government and industry sectors

## Task description

1. You need to undertake a literature review which addresses the following topic:

What are the key challenges preventing higher uptake of sustainable buildings and what opportunities are there for overcoming these?

For information about how to write up a literature review see this resource:  
<https://emedia.rmit.edu.au/learninglab/content/literature-review-overview>

2. You must draw upon literature including journal articles, government reports and other sources which have been published between 2011 – 2021. You can use literature which was published before 2010 only if it is a seminal piece of research (e.g. Limits of Growth report). This is to ensure you are using current literature which represents current ideas and thinking.
3. You can choose to focus on buildings as a broad sector or focus on a type of building (e.g. housing).
4. You will need to define what you believe is a sustainable building (refer back to your Assessment Task 1 definitions) so that you provide a clear context for your discussion.
5. Your literature review should cover at least five (5) different challenges and possible opportunities (such as solutions or innovations) which may help to overcome these. You need to use the literature to support selection and discussion including literature which may present opposing views.
6. Start by reviewing the provided articles (from weeks 1 – 5 and those included with Assessment Task 2) and then search for additional articles. You should include at least 10 high quality journal articles in your literature review.
7. Use the annotated bibliography approach (see Assessment Task 1) to analyse each article. Remember that the aim is not just to summarise what each article says, but to critically analyse it. What is it saying? Do you agree? Does it contradict what another article says? Are the findings still current/relevant?
8. You need to write up your analysis into a literature review of between 2,000-2,500 words (excluding references). Note – if you can write it with less words then that is ok also!

Reference all your sources using the Harvard referencing style as described on the RMIT website:

<http://www.rmit.edu.au/library/referencing>

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<https://emedia.rmit.edu.au/learninglab/content/literature-review-overview>

## Assessment

This assessment task will be assessed in accordance with Table 1. The task is worth a total of **30 marks**.

Criteria/Marks	High Distinction	Distinction	Credit	Satisfactory	Unsatisfactory
<b>Critique and analysis of the literature/demonstrated understanding of the topic</b>  Mark available: 12	Outstanding, comprehensive critique of literature relating to topic. Analysis is accurate, thoughtful and provides a balanced view, including critical analysis of contradicting	Highly capable and overall comprehensive critique of literature relating to topic. Analysis is accurate and thoughtful and provides a generally balanced view, including	A capable critique of literature relating to topic. Analysis provides a consistently accurate view, with analysis of contradictory literature developing.	A satisfactory critique of the literature relating to topic. An accurate, thoughtful analysis which includes analysis of contradictory literature is emerging, as is a critical understanding of	Unsatisfactory critique of literature relating to topic set. Analysis does not provide a balanced view or cover key discussion points. Discussion does not evidence a critical understanding of the topic and literature.

	literature. Discussion demonstrates high level, critical understanding about the topic and the literature.	analysis of contradicting literature. Discussion demonstrates a critical understanding about the topic and the literature.	Discussion demonstrates that a critical understanding of the topic and the literature is developing.	the topic and literature.	
<b>Professional Communication</b>  Clear expression and articulation of thoughts and ideas. Ideas and perspectives are logically organised. Response meets specified word length  Mark available: 8	Sophisticated and highly effective use of academic language with clear sentence structure. Logical, coherent discussion which clearly expresses the thoughts and ideas. Report is within set word limit. Demonstrates thorough proof reading and editing.	Highly effective use of academic language with clear sentence structure. Logical, coherent discussion which clearly expresses the thoughts and ideas. Report is within set word limit. Demonstrates thorough proof reading and editing.	Generally capable use of academic language with clear sentence structure. Logical, coherent discussion which generally clearly expresses the thoughts and ideas. Report is within set word limit. No serious linguistic or typographical errors.	A satisfactory use of academic language with consistently clear sentence structure developing. Some evidence of a logical, coherent discussion which satisfactorily expresses the thoughts and ideas. Report is within 10% of set word limit. There may be some problems with language or a number of typographical errors. Please refer to the Study and Learning Centre	Thoughts and ideas are not clearly expressed. Ideas and perspectives are not logically organised. Inadequate grammar and spelling. Report does not meet the set word limit (more than 10% over or under). There may be some problems with language or a number of typographical errors. Please refer to the Study and Learning Centre.
<b>Referencing and evidence</b>  Mark available: 6	Contains at least 15 high quality references. Includes at least 10 journal articles. Articles include mostly key/seminal articles relevant to the topic. Correct referencing style (RMIT Harvard) is used.	Contains at least 10 high quality references. Includes at least 8 journal articles. Articles include key/seminal articles relevant to the topic. Correct referencing style (RMIT Harvard) is used.	Contains at least 7 high quality references. Includes at least 6 journal articles. Articles include some key/seminal articles relevant to the topic. Correct referencing style (RMIT Harvard) is consistently used.	5 or less references used and/or some poor-quality references. Limited key/seminal articles relevant to the topic included. Correct referencing style (RMIT Harvard) is generally used.	Less than 5 references used and/or poor-quality references. Incorrect referencing style is consistently used.

<b>Literature review layout and presentation</b>  Mark available: 4	Essay flows easily and key points are very easy to find. Presentation is very clear and professional, following essay writing guidelines.	Essay flows easily and key points are easy to find. Presentation is clear and professional, following essay writing guidelines.	Essay flows easily and key points are consistently easy to find. Presentation is generally clear and professional, overall following essay writing guidelines.	Generally, essay flows easily with key points overall easy to find. A clear and professional presentation is emerging. There are some errors in following essay writing guidelines.	Essay is disjointed. Presentation contains numerous errors with key points not easy to find. Essay writing guidelines are not followed.
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**Table 1: Assessment matrix.**

### **Assessment support**

Please use the links below to inform and avail yourself of the academic and other support services that are available to you at RMIT.

- [Study Support HUB](#): You can find out about academic expectations, receive feedback on your assignments from a Learning Advisor, access learning resources and discuss any study issues.
- [Smart thinking feedback](#): E-tutors provide comprehensive feedback on students' writing within a 24-hour turnaround.

### **Academic Integrity**

Students are reminded that cheating, whether by fabrication, falsification of data, or plagiarism, is an offence subject to University disciplinary procedures. Plagiarism in written submissions is not acceptable. It is also an offence for students to allow their work to be plagiarised by another student or to include names of colleagues/team members who did not contribute to the project.

Remember to always provide full citation of the reference material used throughout your submission. Details of the University policy regarding academic integrity can be found at the following link:

<http://www.rmit.edu.au/students/academic-integrity>

### **Plagiarism and Collusion**

You are reminded that cheating, whether by fabrication, falsification of data, or plagiarism, is an offence subject to University disciplinary procedures. Plagiarism is the presentation of the work, idea or creation of another person as though it is your own. It is a form of cheating and is a very serious academic offence that may lead to expulsion from the University. Plagiarised material can be drawn from, and presented in, written, graphic and visual form, including electronic data, and oral presentations. Plagiarism occurs when the origin of the material used is not appropriately cited. Plagiarism is not acceptable. It is also an offence for students to allow their work to be plagiarised by

another student or to include names of colleagues/team members who did not contribute to the project.

The student responsibilities are outlined in the RMIT Academic integrity and plagiarism procedure:  
<https://www.rmit.edu.au/students/student-essentials/rights-and-responsibilities/academic-integrity>