UNSW Course Outline

IDES2323 Industrial Design Studio 2C: Sustainable Futures - 2024

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General Course Information

Course Code : IDES2323
Year : 2024
Term : Term 3
Teaching Period : T3
Is a multi-term course? : No
Faculty : Faculty of Arts, Design and Architecture
Academic Unit : School of Built Environment
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Undergraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

This course focuses on the capacity of Industrial Design to address complex and pressing ecological and social problems in the real world. You will develop design solutions beyond purely commercial objectives to achieve specific targets of the United Nations Sustainable

Development Goals and learn how to apply design tools and strategies to minimise ecological and social impacts. Strategies include life cycle thinking, designing for circularity and design for behavioural change. With each undertaking, you will be expected to demonstrate technical resolution and documentation skills, as well as a rigorous engagement with environmental and societal issues that are seen as opportunities for design intervention.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Apply a rigorous design process to develop innovative, sound, and sustainable solutions to real-world design problems.
CLO2 : Extend prior industrial design knowledge and skills to produce work approaching a professional standard.
CLO3 : Critically reflect on the overall impacts of your design solutions, your design process, and the development of your skills and abilities.

Course Learning Outcomes	Assessment Item
CLO1 : Apply a rigorous design process to develop innovative, sound, and sustainable solutions to real-world design problems.	• Designing for Circularity • Product Lifecycles
CLO2 : Extend prior industrial design knowledge and skills to produce work approaching a professional standard.	• Designing for Circularity • Product Lifecycles
CLO3 : Critically reflect on the overall impacts of your design solutions, your design process, and the development of your skills and abilities.	• Designing for Circularity • Product Lifecycles

Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Designing for Circularity Assessment Format: Individual	50%	Start Date: 09/09/2024 12:00 AM Due Date: 30/09/2024 12:00 AM
Product Lifecycles Assessment Format: Individual	50%	Start Date: 14/10/2024 12:00 AM Due Date: 11/11/2024 12:00 AM

Assessment Details

Designing for Circularity

Assessment Overview

You will work on a design project that will demonstrate your skills and knowledge on 'design for circularity'. Marking will be done using a rubric with students receiving an individual mark. Verbal feedback will occur throughout the development of the project both to individuals and broadly to the class.

Course Learning Outcomes

- CLO1 : Apply a rigorous design process to develop innovative, sound, and sustainable solutions to real-world design problems.
- CLO2 : Extend prior industrial design knowledge and skills to produce work approaching a professional standard.
- CLO3 : Critically reflect on the overall impacts of your design solutions, your design process, and the development of your skills and abilities.

Assignment submission Turnitin type

Not Applicable

Generative AI Permission Level

Not Applicable

Generative AI is not considered to be of assistance to you in completing this assessment. If you do use generative AI in completing this assessment, you should attribute its use.
For more information on Generative AI and permitted use please see here.

Product Lifecycles

Assessment Overview

Using specific design strategies you will work on a design project that will demonstrate your skills and knowledge in mitigating negative impacts during certain stages of a product's lifecycle. Marking will be done using a rubric with students receiving an individual mark. Verbal feedback will occur throughout the development of the project both to individuals and broadly to the class.

Course Learning Outcomes

- CLO1 : Apply a rigorous design process to develop innovative, sound, and sustainable solutions to real-world design problems.
- CLO2 : Extend prior industrial design knowledge and skills to produce work approaching a professional standard.
- CLO3 : Critically reflect on the overall impacts of your design solutions, your design process,

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General Assessment Information

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 0 : 2 September - 8 September	Reading	Review course information on Moodle. Course schedule, assessments and Course outline
Week 1 : 9 September - 15 September	Topic	Course introduction Product lifespans Design for R – Resue, Repair, Remanufacture & Recycling Introduce: Assignment 1
Week 2 : 16 September - 22 September	Topic	Design for R – Remanufacturing, & Recycling e-waste
	Group Activity	Product teardown - consumer electronics
	Presentation	Assignment 1 - Initial concpets
Week 3 : 23 September - 29 September	Topic	Design for R Right ot Repair
	Assessment	Assignmnet 1 - Functional mock-up or Model
Week 4 : 30 September - 6 October	Assessment	Assignment 1: Final Presentation
Week 5 : 7 October - 13 October	Topic	No Class - Kings Birthday - postponed to Monday 14 October (online class)
Week 6 : 14 October - 20 October	Online Activity	Online class Accessible & Inclusive packaging design Introduce: Assignment 2
Week 7 : 21 October - 27 October	Topic	Australian Institute of Packaging (AIP) Sustainable development goals (SDGs) Sustainable Packaging Design Principles Case studies Student Awards PIDA Student Awards
Week 8 : 28 October - 3 November	Presentation	Assignmnet 2: Initial concept presentation to Australian Institute of Packaging (AIP)
Week 9 : 4 November - 10 November	Topic	Design development and model making
Week 10 : 11 November - 17 November	Assessment	Assignmnet 2: Final presentation to Australian Institute of Packaging (AIP) Prepare for entering the 2024 PIDA Student Awards

Attendance Requirements

Please note that lecture recordings are not available for this course. Students are strongly encouraged to attend all classes and contact the Course Authority to make alternative arrangements for classes missed.

General Schedule Information

Refer to Moodle for weekly course resources

Course Resources

Prescribed Resources

Refer to Moodle for prescribed resources

Recommended Resources

Refer to Moodle for recommended resources

Course Evaluation and Development

We encourage and support students to maintain regular contact with the course convenor to provide informal feedback throughout the course. For specific issues or detailed feedback, please arrange a meeting with the course convenor via email.

In this course there is an option for students to provide anonymous feedback via the course's Moodle page, which is directly sent to the convenor. As a final step, students are invited to share their insights and experiences by completing the MyExperience survey. The feedback gathered each year is integral to the continuous enhancement and development of the course.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Miles Park		Level 3 Anita B Lawrence meeting		please email for appointment	No	Yes

Other Useful Information

Academic Information

For essential student information relating to:

- UNSW and Faculty policies and procedures;
- Student Support Services;
- Student equity and disability;
- Special Consideration in the event of illness or misadventure;
- Examination information;
- Review of results;

Please see: https://www.unsw.edu.au/arts-design-architecture/student-life/resources-support/protocols-guidelines

Academic Honesty and Plagarism

Plagiarism is using the words or ideas of others and presenting them as your own. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement.

UNSW groups plagiarism into the following categories:

- Copying: Using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This includes copying materials, ideas or concepts from a book, article, report or other written document, presentation, composition, artwork, design, drawing, circuitry, computer program or software, website, internet, other electronic resource, or another person's assignment without appropriate acknowledgement.
- Inappropriate paraphrasing: Changing a few words and phrases while mostly retaining the original information, structure and/or progression of ideas of the original without acknowledgement. This also applies in presentations where someone paraphrases another's ideas or words without credit and to piecing together quotes and paraphrases into a new whole, without appropriate referencing.
- Collusion: Working with others but passing off the work as a person's individual work. Collusion also includes providing your work to another student for the purpose of them plagiarising, paying another person to perform an academic task, stealing or acquiring another person's academic work and copying it, offering to complete another person's work or seeking payment for completing academic work.
- Inappropriate citation: Citing sources which have not been read, without acknowledging the "secondary" source from which knowledge of them has been obtained.
- Duplication ("self-plagiarism"): Submitting your own work, in whole or in part, where it has previously been prepared or submitted for another assessment or course at UNSW or another

university.

The UNSW Academic Skills support offers resources and individual consultations. Students are also reminded that careful time management is an important part of study. One of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and proper referencing of sources in preparing all assessment items. UNSW Library has the ELISE tool available to assist you with your study at UNSW. ELISE is designed to introduce new students to studying at UNSW, but it can also be a great refresher during your study.

Completing the ELISE tutorial and quiz will enable you to:

- analyse topics, plan responses and organise research for academic writing and other assessment tasks
- effectively and efficiently find appropriate information sources and evaluate relevance to your needs
- use and manage information effectively to accomplish a specific purpose
- better manage your time
- understand your rights and responsibilities as a student at UNSW
- be aware of plagiarism, copyright, UNSW Student Code of Conduct and Acceptable Use of UNSW ICT Resources Policy
- be aware of the standards of behaviour expected of everyone in the UNSW community
- locate services and information about UNSW and UNSW Library

Use of AI for assessments

As AI applications continue to develop, and technology rapidly progresses around us, we remain committed to our values around academic integrity at UNSW. Where the use of AI tools, such as ChatGPT, has been permitted by your course convener, they must be properly credited and your submissions must be substantially your own work.

In cases where the use of AI has been prohibited, please respect this and be aware that where unauthorised use is detected, penalties will apply.

Use of AI for assessments | UNSW Current Students

Submission of Assessment Tasks

Assessment tasks must be submitted electronically via either Turnitin or a Moodle assignment. In instances where this is not possible, alternative submission details will be stated on your course's Moodle site. For information on how to submit assignments online via Moodle: https://

student.unsw.edu.au/how-submit-assignment-moodle

Late Submission Penalty

UNSW has a standard late submission penalty of:

- 5% per calendar day,
- for all assessments where a penalty applies,
- capped at five calendar days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Students are expected to manage their time to meet deadlines and to request Special Consideration as early as possible before the deadline. Support with Time Management is available here.

Important note: UNSW has a "fit to sit/submit" rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit to do so and cannot later apply for Special Consideration. This is to ensure that if you feel unwell or are faced with significant circumstances beyond your control that affect your ability to study, you do not sit an examination or submit an assessment that does not reflect your best performance. Instead, you should apply for Special Consideration as soon as you realise you are not well enough or are otherwise unable to sit or submit an assessment.

School Contact Information

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