



# SDES9352 Imperatives for a Sustainable Future

Term T2, 2020

## Course Information

Units of Credit: 6

## Course Overview

### Course Description

#### Fully Online Delivery Term 2 2020

Some adjustments have been made to this course to allow for fully online delivery during the COVID-19 situation. Please refer to the Resources section at the back of this document for more information about materials and resources required to complete this course outline.

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Imperatives for a Sustainable Future provides you with a critical understanding of the theoretical and practical implications of design as a professional activity and the impacts it can have on a local, regional and global scale. It aims to develop an understanding of how to deal with complexity and wicked problems using a design thinking framework informed by an understanding of the four pillars of sustainability. You will use foresight tools for developing sustainable strategies as well as methods for measuring and monitoring successful implementation.

Key themes will include the four pillars of sustainability, futurist philosophies, wicked problems, sticky solutions, complexity, interdependency, products, services and systems, localism, manufacturing methods, responsibility in leadership and cross disciplinary collaboration.

### Course Learning Outcomes

On completion of this course, the student should be able to:

1. Identify opportunities for sustainable design within local, regional and global contexts.
2. Develop design-based strategies to address wicked problems.
3. Communicate and act on key sustainability issues.
4. Identify and build cross-disciplinary teams to collaborate on solving complex problems with sustainable outcomes.

### Teaching and Learning in this Course

This course uses a variety of teaching approaches:

#### Blended/online

- Review – Assessment / Feedback Tool
- Microsoft Teams - Teamwork Hub and Group Chat Platform
- Zoom - Video and Audio Conferencing, Chat, and Webinars
- Echo360 - Lecture Recording
- Moodle - Learning Management System

## Assessment

	TITLE	WEIGHTING	ASSESSMENT TYPE
Assessment Task 1	Ethics, Design and Objects	20%	Written Report
Assessment Task 2	Life Cycle Analysis	40%	Formal Presentation
Assessment Task 3	Design in Context: Ecology, Economics and Politics	40%	Project

## Resources

All resources for this course are available via Moodle.