UNSW SYDNEY | Australia's Global University

Built Environment

LAND7221

Advanced Urban Landscape Visualisation

Course Outline – Term 1, 2020

Disclaimer

Information within this document is subject to change. The full and most accurate course outline will be available in Moodle closer to the start of the term in which the course is offered.

1. COURSE STAFF

Course Contact	Joshua Zeunert
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2. COURSE DETAILS

Credit Points	6 units of credit (uoc)
Workload	Approx. 150 hours including class contact hours, weekly individual and group online learning activities, readings, class preparation, and assessment activities.
Teaching Times and Location	Find details in timetable http://www.timetable.unsw.edu.au

Description

This course introduces students to the visualisation of complex landscape systems and dynamics, using visual scripting interfaces and technologies such as Rhino, Grasshopper, Photoshop, 3D Studio Max, and the HoloLens. Students explore design decisions by simulating and evaluating changes to environmental conditions with a focus on landform, hydrology and planting.

Aim

To explore methods and techniques for visually generating and communicating data-driven algorithmic design for environmental planning through the investigation of landscape systems with a direct emphasis on their application to real-world situations in the field of landscape architecture.

Course Learning Outcomes (CLOs)

At the successful completion of this course, you will be able to:

1. Recognise mathematical and technological principles for simulating and evaluating changes to environmental conditions;
2. Identify the conceptual associations between a well-defined set of design parameters and a well-defined set of potential outcomes;
3. Apply technological knowledge to generate, analyse and evaluate a logically and aesthetically sound design, adapting technologies to explore and test standards of practice and to meet personal preferences;
4. Critically analyse, synthesise and evaluate design strategy and outcomes using systematic approaches to data collection, integration and representation; and
5. Organise and effectively communicate information applying verbal and multimedia skills.

3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. Presentation – Individual Presentation	10%	1

2. Presentation – Group Presentation	15%	2, 4, 5
3. Presentation – Group Silent Presentation	15%	2, 3, 4, 5
4. Presentation – Group Presentation	20%	2, 3, 4, 5
5. Project – Individual Diagram/Gif/Model	20%	2, 3, 4, 5
6. Project – 2 min Animation	20%	2, 3, 4, 5

4. COURSE IMPROVEMENT AND FEEDBACK

Feedback from students is an integral part of improving courses and teaching approaches. One of the primary mechanisms of feedback is myExperience, which we strongly urge all students to complete at the end of term. Course convenors use the feedback to make ongoing improvements to the course. This is communicated in Moodle in the myFeedback Matters page.