DART1250
Interactive Media 1

Term T1, 2019

Course Information

Units of Credit: 6

Course Overview

Course Description

This course introduces you to creative computer programming as a medium in media arts contexts. Throughout the course, you will explore the potential of interactive media to both dynamically generate structures and behaviours, and to dynamically respond to environments. The course also introduces systems thinking as a foundational concept in the analysis and creation of interactive media works, and encourages you to examine recent and historical examples of interactive media art. Through practical activities, you will explore and learn basic graphical and sonic programs and integrate software development workflows into your creative practice.

Course Learning Outcomes

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

1. Apply foundational technical skills to create basic graphical interactive computer programs.
2. Integrate algorithmic thinking to solve basic creative programming tasks.
3. Design basic interactive systems using systems thinking principles that are informed by a range of historical and contemporary creative practices.
4. Identify and describe interactive media principles as they apply to specific conceptual strategies and systems designs.

Teaching and Learning in this Course

This courses uses a variety of teaching approaches:

Blended/online

- Moodle - learning management system

Assessment

	TITLE	WEIGHTING	ASSESSMENT TYPE
Assessment Task 1	Algorithmic Thinking	50%	Process Journal
Assessment Task 2	Interactive Experience Prototype	50%	Project

References for this Course

Reading

Course reading will be available via Moodle.

References and other resources for this course

Each week a number of resources and activities will be made available on the LMS and you are required to

engage in these resources between your class times.

Information Literacy

To assist in the development of online information literacy skills, students will be directed to:

- ELISE for Postgraduate Students (Enabling Library Information Skills for Everyone), an online information tutorial about finding and using information at UNSW Library: http://sujectguides.library.unsw.edu.au/elise

- Online subject guides designed by the COFA Library to accompany specific Art and Design discipline areas:

Art: http://subjectguides.library.unsw.edu.au/art

Design: http://subjectguides.library.unsw.edu.au/design

- Library How to Use Guides (includes Using Sirius and Using the LRD): http://library.unsw.edu.au/HowDoI

- Endnote Tutorials to learn how to use EndNote bibliographic software to store, organise and manage your references: http://www.endnote.com/training

Software

The course will involve using the following software, available on the university lab computers:

- Processing

- IntelliJ IDEA

General

- UNSW Library Home Page: http://www.library.unsw.edu.au

- The UNSW Library Catalogue: http://lrd.library.unsw.edu.au

- Sirius (UNSW Databases & e-Journals): http://sirius.library.unsw.edu.au

E-Journals

Access to UNSW e-Journal subscriptions is available via the LRD or Sirius, e.g.: UNSW Library Home page > Sirius > Find e-Journal > Title

Examples include:

- Art, Design and Communication in Higher Education

- Creativity Research Journal Design issues

- Graphis Journal of Visual Culture

- Leonardo

- Media International Australia

- Visual Communication

- Working papers in Art & Design

UNSW Library Databases

Access to UNSW Database subscriptions is available via the LRD or Sirius, e.g.: UNSW Library Home page > Sirius > Find Resource > Title ... (type in database name)

Examples include:

ArtBibliographies Modern

Art Full-Text

Avery

Business Source Premier

Communication and Mass Media Complete

Design and Applied Arts Index

Factiva

JSTOR

Project MUSE

ProQuest

Sage Full Text Collections

Image Collections

- ARTstor Digital Collection (available via LRD and Sirius)
- Digital Collections Subject Guide
- Creative Commons Image search: http://search.creativecommons.org (to find images you can use, mix and share)