COS30043
Interface Design and Development

Overview

2022 – Semester 1

THE UNIT

Aim

to introduce

- – design concepts and
- – development tools and frameworks

associated with the creation of dynamic user interfaces suitable for use across a range of platforms and devices

Learning Outcomes

Students who successfully complete this Unit should be able to:

- Apply fundamental design concepts and standards to the development of user interfaces
- Use contemporary frameworks to create dynamic user interfaces
- Design and develop user interfaces optimised for a range of devices and platforms
- Evaluate user interfaces with respect to usability and accessibility using appropriate techniques, and propose improvements

LEARNING PROCESS

Learning Process

Teaching Staff | **You**

| Deliver Unit | Contruct Knowledge |

| Provide Feedback and Guidance | Submit Pieces of Work |

- Engage in lecture
- Perform tasks
- Study references
- Think and process

- Program Code
- Concept Map
- Critique and Analysis
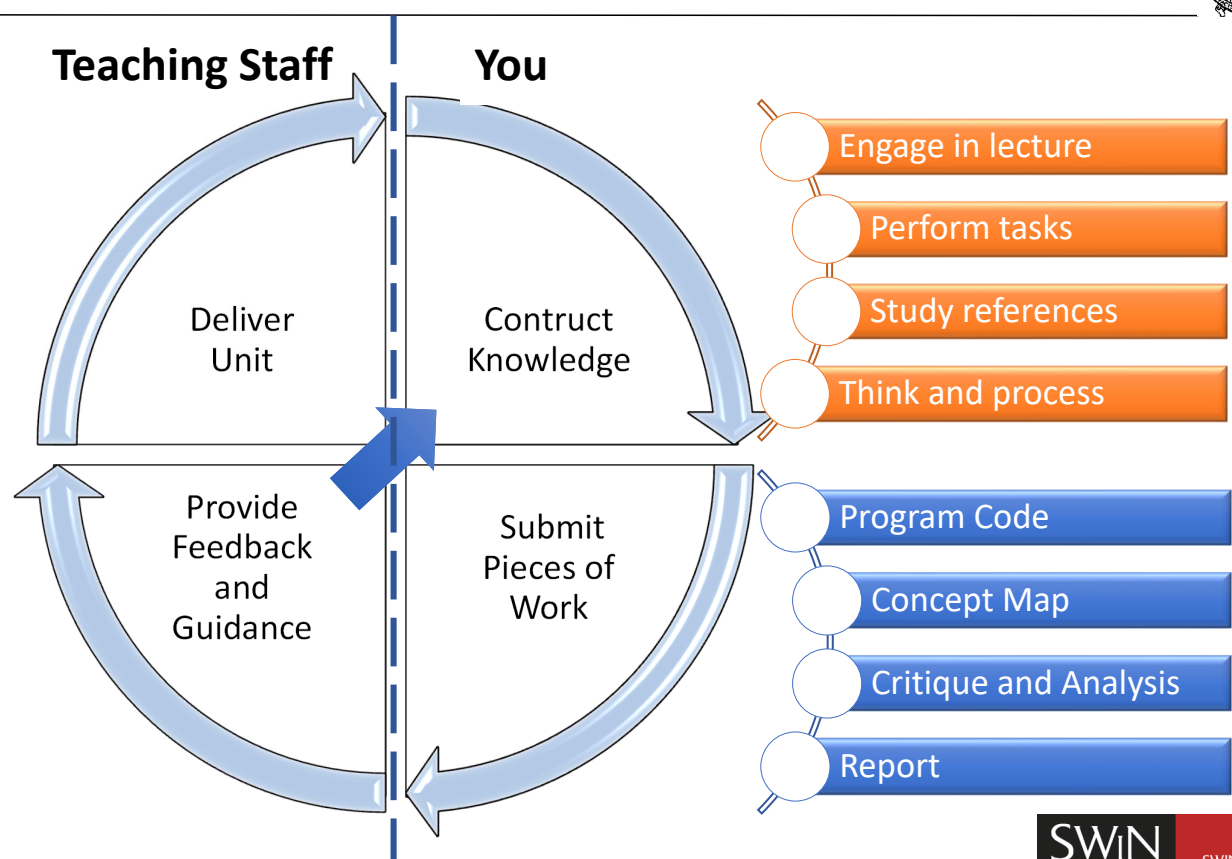- Report

Learning Paths

- **Lecture Topics / Notes**
  Concepts, ideas, demos ... why, what, how, what if, what else ...

- **Examples**
  Practical skills, concepts, ideas, expansion, help, feedback ...

- **Tasks (P, C, D, and HD)**
  Consolidate skills, ideas, synthesis, learning outcomes, feedback ...
  Quality, standards ... feedback ...

Feedback and Guidance

- Read comments provided to you for each task

- Discuss your concerns with tutors

- Note:
  - you must incorporating all feedback before resubmitting any work
  - you must contact your tutor if you receive a comment to discuss
  - you must regularly check for any announcement and email that pertains to the unit

PORTFOLIO

Assessment Overview

Tasks and Details	Individual or Group	Weighting	Assessment Due Date
Portfolio	Individual	100%	• for Pass and Credit Monday 30th May • for Distinction and High Distinction Monday 6th Jun

Portfolio

It must contain the following items:

- **Learning Summary Report** that reflects on what you have learnt, and shows how your portfolio addresses the assessment criteria and unit learning outcomes.

- A **number of pieces** of work that demonstrate how you have met **all** of the unit learning outcomes. This must include:
  - Answers, code, and reports from the weekly tasks
  - A web application of your own design (for Distinction and above)
  - A research report (for High Distinction)

Portfolio: Learning Summary Report

consist of three parts

- self-assessment provides a summarised check list of the task that you had completed

- learning objective map where you list and briefly describe the pieces of work that you submitted and mapped to which learning objectives and to what level of understanding did you achieve.
  - **Note:** that each piece of work may only address certain learning outcomes. As such, if a piece of work is mapped to a learning outcome that is not appropriate, the piece of work does not count towards achieving the expected level of understanding

Portfolio: Learning Summary Report

- reflection is a personal comment on what you have learnt in this unit, and how your knowledge and skills have developed.
  - Elaborate on aspects that you found challenging/inspiring/interesting and why?
  - Include the approach that you used to solve problems and how what you have learnt
  - Compare and contrast new learning/information within the context of prior learning
  - Present areas that you have personally explored beyond the expectations
  - Highlight ideas/techniques/principles that can be generalised and used
- **Note**: The reflective section should not be a direct summary of the content covered in the unit

Portfolio: Pieces of Work

- All pieces of work classified as Pass task including tasks classified as Test if you are aiming for a Credit grade (or above)

- All pieces of work classified as Credit task if you are aiming for a Credit grade (or above)

- A web application of your own design if you are aiming for a Distinction grade (or above)

- A research report if you are aiming for High Distinction

ASSESSMENT CRITERIA AND PROCESS

Assessment Criteria

	Description
Pass Tasks	Core tasks required to demonstrate the unit's learning outcomes. All of these tasks must be completed in order to pass the unit.
Credit Tasks	Extend beyond the core material to help you better understand the concepts associated with the unit.
Distinction Tasks	Provide an opportunity for you to demonstrate that you have a good understanding of all of the topics associated with the unit.
High Distinction Tasks	Go beyond the material covered in the unit, allowing you to demonstrate that you can use what you have learnt to explore associated concepts.

Custom Web Application (D and HD)

- apply the concepts learnt to the design and development of a custom web application.

- propose an application that you will design and implement using the techniques learnt in collaboration with the teaching staff

- submit code you that have developed and a design report and screenshot(s) of your application in action

<div align="right">Full criteria available on Canvas</div>

Assessment Process

Result	Mark					Required Assessment Items
Fail Does not meet Pass Standard	0 N Fails to complete any Passed Tasks and Test(s), and/or no portfolio submitted	11 N Fails to complete all Pass Tasks and Test(s), and/or no portfolio submitted	22 N Fails to complete all Test(s) and/or no portfolio submitted	33 N Fails to demonstrate coverage of all unit learning outcomes in the required standards and no portfolio submitted	44 N Fails to demonstrate coverage of all unit learning outcomes in the required standards	
Pass Test(s) signed off as Complete, and all Pass Tasks are Complete.	50 P Passed test(s), all outcomes covered but a few Pass Tasks are not Complete.	53 P Meets **Pass**, but poor reflections and teaming summary.	55 P Meets **Pass** with acceptable reflections and learning summary.	57 P Meets **Pass** with good reflections and learning summary.		Learning Summary Report + Test(s) + Pass Tasks
Credit Passed Test(s), all Pass Tasks are Complete. and most Credit Tasks are Complete (>50%).	60 C All Pass Tasks are Complete, but some issues with Credit Tasks.	63 C Meets **Credit**, but some Issues with code, reflections, or learning summary.	65 C Meets **Credit**, with generally good code, reflections and learning summary.	67 C Meets **Credit**, with good code, reflections and learning summary.		+ Credit Tasks
Distinction Passed, all Credit Tasks are Complete, and Distinction Tasks are Complete, Custom Program created, and attended Interview.	70 D All Credit Tasks are Complete, all Distinction Tasks are mostly complete and Custom Program with some issues.	73 D Meets **Distinction**, but some Issues with code, reflections, or learning summary.	75 D Meets **Distinction**, with generally good code, reflections, and learning summary.	77 D Meets **Distinction**, with good code, reflections, and learning summary		+ Distinction Tasks + Custom Program +15 min Interview
High Distinction Distinction met and Custom Program meets HD requirements, or adequate Research Report	80 HD All Distinction Tasks are Complete, and all High Distinction Tasks are mostly complete and Research Report with some issues.	83 HD Meets **High Distinction**, excellent outcomes, but some weaknesses.	85 HD Meets **High Distinction**, excellent outcomes, good reflections, code quality and learning summary.	87 HD Meets **High Distinction**, all outcomes are excellent, with very high quality finish.		+ Research Report
High Distinction, plus a research report that demonstrates ability to conduct a small research project, analyse findings, and make conclusions. Research outcomes are related to design and MVC concepts learnt.	90 HD Meets **High Distinction**, all outcomes are excellent, some small issues with research method, report and analysis.	93 HD Meets **90 High Distinction**, all outcomes are excellent, good analysis. But some small issues with research method and report	95 HD Meets **90 High Distinction**, all outcomes are excellent, good research report and analysis, but issues with research method.	97 HD Meets **90 High Distinction**, all outcomes are excellent, including research method, report and analysis	100 HD Meets 97 **High Distinction**, with something special!	

| **1**
Categorise based on grade first. Use self-assessment with sanity check. Should be obvious based on work Included | | **2**
Assume middle grade Initially, then work up/down based on evidence | | **3**
Review 97's with unit panel to check for 100s | | |