Faculty of Science, Engineering and Technology
Higher Education Division

Portfolio Format and Assessment Criteria

COS30017/COS80019

Software Development for Mobile Devices

Semester 2, 2014

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Portfolio Format and Assessment Criteria

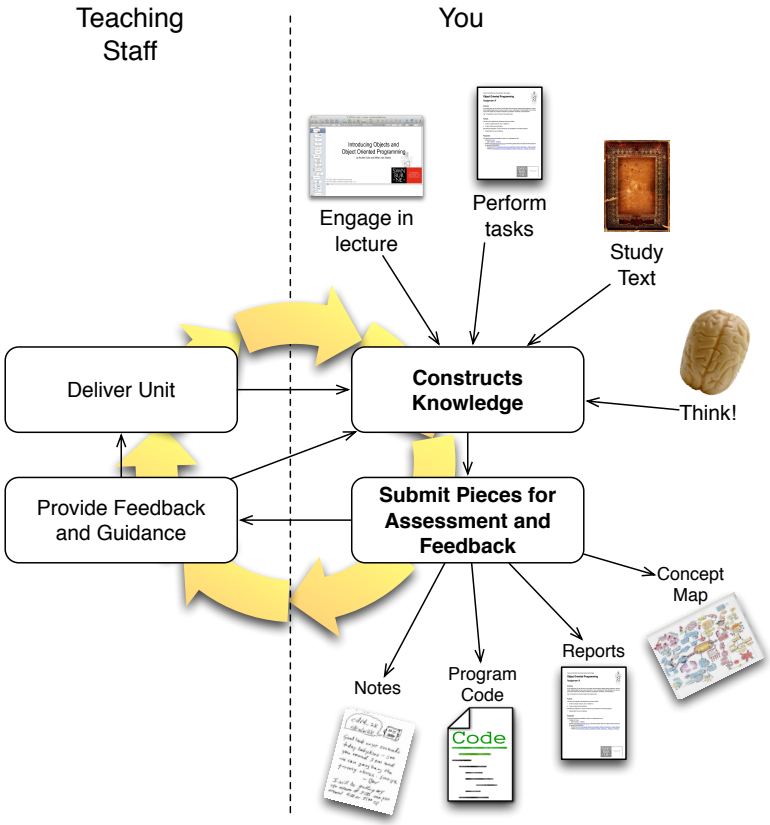
Overview

Results in this unit are determined from a portfolio of work that you submit at the end of the unit. This is designed to help you achieve the best result possible, with lots of support to help you learn. This document outlines the portfolio assessment process, the format of the portfolio, and its assessment criteria.

Learning and the Portfolio Assessment Process

Effective learning requires you to actively try to understand the topics being covered. The tasks that we provide you can help you develop your understanding, but do require you to think about how the tasks relate to the underlying concepts and practices. One way that we can assist you with this task is to provide you with feedback on your progress, and to answer your questions about aspects you are unsure of.

With portfolio assessment you have many opportunities to receive feedback. Each week you will have the opportunity to submit work to your tutor for feedback. They will look at your work and give you advice that you can use to improve your understanding, and the quality of the work you submit in your final portfolio.



As shown in the image above, this process is iterative. Each week we will help you learn by introducing topics, working through tasks with you, providing resources and tasks you can complete (Deliver Unit). Using these resources you can develop your understanding. In this process you will create pieces of work that demonstrate your understanding. You can submit these to us so that we can help ensure that you have understood each topic correctly. The feedback we provide should then help you develop your understanding, while also providing us with ideas we can use to improve the way the unit is delivered.

At the end of the semester you can select your best pieces of work to submit in your portfolio. Your grade is then determined from what you have submitted - which should have incorporated all of the feedback you have received throughout the teaching period.

Portfolio Format

In this unit the portfolio you submit needs to contain the following items:

1. A **Learning Summary Report** that reflects on what you have learnt, and shows how your portfolio addresses the unit's learning outcomes and its assessment criteria.
2. A number of **pieces of work** that provide evidence that you have met all of the unit's learning outcomes. As a minimum this will include:
    a. A selection of answers, code, and reports from the weekly tasks
    b. A program of your own design if you are aiming for a Distinction grade (or above)
    c. A research report if you are aiming for a High Distinction

Each of these is explained in the following sections.

Learning Summary Report

Your *Learning Summary Report* will consist of two parts: a self-assessment and a reflection. The self-assessment indicates how your portfolio aligns with the assessment criteria from Table 1. Your reflection is a personal comment on what you have learnt in this unit, and how your knowledge and skills have developed.

This report should be around 5 to 10 pages in length: one page for an overview, one page overview of the pieces you have included, three or four pages aligning your evidence to the unit's learning outcomes, and two or three pages for your reflections.

The reflective section of the learning summary report should,

- Elaborate on aspects that your found challenging/inspiring/interesting or different to your expectations and why?
- Include the approach that you used to solve problems and how what you have learnt in the unit helped.
- Compare and contrast new learning/information within the context of prior learning (as well as any previous assumptions or expectations – with a discussion on how these have either been reinforced or changed).
- Present areas that you have personally explored beyond the expectations of the unit, as well as indication of the areas where you plan to learn further on your own and why?
- Provide a map of the key concepts, techniques and/or principles related to the unit (you may use mind-maps, or visual diagrams to communicate this map).
- Highlight ideas/techniques/principles that can be generalised and used in other areas or for further learning (with a brief discussion to support the claim).

Note: The reflective section should not be a direct summary of the content covered in the unit.

A template will be provided to help you format your Learning Summary Report. Please check blackboard for this template.

Core Assignment Tasks

During the semester there will be a number of core tasks that you are required to complete. These tasks are designed to help you understand the material presented, and to give you a chance to apply the concepts studied. Your portfolio must include work from these weekly tasks that demonstrates you have successfully mastered all of the unit’s learning outcomes.

Custom Mobile App (for Distinction and higher grades)

In order to achieve a Distinction grade, or higher, your portfolio must demonstrate your ability to apply the concepts learnt to the design and development of a non-trivial mobile app. In collaboration with the teaching staff, you must propose a program that you will design and implement using the techniques learnt. Your submission will include the code you have developed for your app, along with a design report.

The Design Report must capture the structure and design approach used in the design and development of the app. Focus the report on clearly communicating the core aspects of the solution's structure.

Research Report (for High Distinction grades)

In order to achieve a High Distinction grade your portfolio must demonstrate your ability to research a question related to the unit's concepts, and to document your findings in a research report.

A Research Report aims to communicate your research undertaking, the results, and their significance. It is expected to be around 6 pages in length, and divided into sections including an Abstract, Introduction, Method, Results, Discussion, Conclusion and References, with at least 7 to 10 relevant references. The report should also make use of figures and/or tables to help convey its message.

Assessment Criteria by Grade

Pass Criteria

Required Pieces	▪ Learning Summary Report ▪ Core Tasks — demonstrating coverage of all unit learning outcomes
Submission	▪ Comb-bound portfolio ▪ Due first week of exam period — see Blackboard for date.

To be eligible for a Pass grade your portfolio must demonstrate the following.

- Weekly tasks must demonstrate good coverage of all unit learning outcomes at the credit requirement level as outlined in the following tables.
- Submit work regularly, and have all work signed off by the teaching staff (lab tutor)

Credit Criteria

Required Pieces	▪ Learning Summary Report ▪ Core Tasks — demonstrating coverage of all unit learning outcomes ▪ Extension Tasks demonstration deeper coverage across all unit learning outcomes
Submission	▪ Comb-bound portfolio ▪ Due first week of exam period — see Blackboard for date.

To be eligible for a Credit grade your portfolio must demonstrate the following.

- Core tasks and Extension tasks must demonstrate good coverage of all unit learning outcomes.
- Submit work regularly, and have all work signed off by the teaching staff (lab tutor)

Distinction Criteria

Required Pieces	▪ Learning Summary Report ▪ Core Tasks ▪ Extension Tasks ▪ Design Report — meeting distinction standards
Submission	▪ Comb-bound portfolio ▪ Portfolio interview during exam period — see unit outline for date. ▪ Due at portfolio interview

To be eligible for a Distinction grade your portfolio must demonstrate the following.

- Core tasks and Extension tasks must demonstrate good coverage of all unit learning outcomes.
- Have designed and developed a Custom Mobile App and Design report to the distinction standard.
- Reflections in Learning Summary Report must discuss how the unit's concepts related to the design and implementation of your app. This reflection should indicate aspects of the design or implementation you are particularly pleased with, and the aspects that you could improve upon.

Custom Project - Design Report Expectations for Distinction	
Distinction Requirement	Your design report must include the following: ▪ An overview of the apps goals ▪ Sketches and Mockups of the app ▪ A high level model of the app

High Distinction Criteria

Required Pieces	▪ Learning Summary Report ▪ Core Tasks ▪ Extension Tasks ▪ Design Report — meeting distinction standards ▪ Research Report — meeting high distinction standards ▪ Data collected for research report
Submission	▪ Comb-bound portfolio ▪ Portfolio interview during exam period — see unit outline for date. ▪ Due at portfolio interview

To be eligible for a High Distinction grade your portfolio must demonstrate the following.

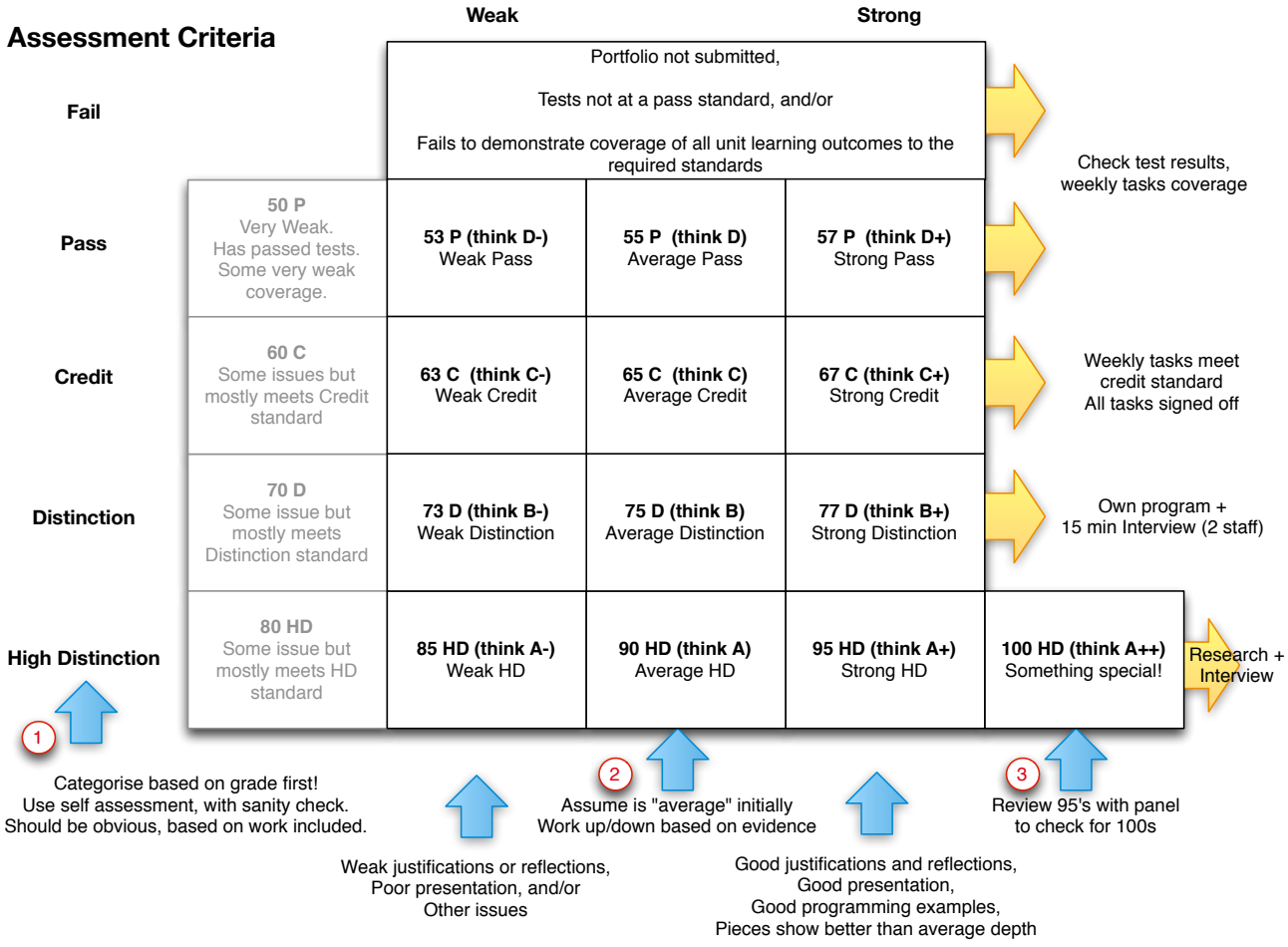
- Core tasks and Extension tasks must demonstrate good coverage of all unit learning outcomes.
- Have designed and developed a Custom Mobile App and Design report.
- Reflections in Learning Summary Report must discuss how the unit's concepts related to the design and implementation of your mobile app and research. This reflection should indicate aspects of the design, implementation, and/or research you are particularly pleased with, and the aspects that you could improve upon.

Research Report Expectations for HD	
High Distinction Requirement	The research report must: ▪ Aim to answer a question related to the unit's learning outcomes that has been accepted by the unit convenor. ▪ Propose a method by which the question can be answered. ▪ Demonstrate that the method was carried out, and show appropriate summaries of the data collected. ▪ Present an analysis of the data showing insights into the underlying concepts. ▪ Discuss findings and their relevance to software development.

Assessment Process

The teaching staff will assess portfolios using the process shown in in the following figure. The process includes the following steps:

1. Initially your portfolio will be compared with the grade criteria. Your work will then be assigned a grade from Fail through to High Distinction based on the criteria it meets. The self-assessment from your Learning Summary Report will be used to guide this process.
2. Your portfolio will be assumed to be “average”, and the teaching staff will look for evidence that you should be awarded a higher or lower result within the grade. The staff will use your Learning Summary Report and the pieces you include to determine which result you will be awarded.
3. All portfolios that receive a result of 95 will be re-examined by the unit panel to determine if any deserve to be awarded a result of 100.



Summary of Assessment Criteria

The following table shows the grades that will be awarded for successful completion of this unit. If the Pass criteria are not met satisfactorily then the final result will be between 0 and 44, resulting in a fail result for this unit. Where a portfolio is not submitted you will be assigned a grade between 0N and 44N based upon the amount of work marked as complete and captured by your tutors.

Pass				**Credit**			**Distinction**			**High Distinction**			
(D–) 50	(D–) 53	(D) 55	(D+) 57	(C–) 63	(C) 65	(C+) 67	(B–) 73	(B) 75	(B+) 77	(A–) 85	(A) 90	(A+) 95	(A∗) 100
Portfolio includes: ▪ Learning Summary Report. ▪ All core tasks completed and meet the stated pass requirements.				In addition to including the material required for Pass, the portfolio includes: ▪ Evidence that all extension tasks have been completed and signed off.			In addition to including the material required for Credit, the portfolio includes: ▪ Code for your Custom Mobile App ▪ Design report for your App			In addition to including the material required for Distinction, the portfolio includes: ▪ Research report ▪ Data collected from performing the research			
Core tasks				Extension tasks			Custom App			Research Report			