TE WHARE WĀNANGA O TE ŪPOKO O TE IKA A MĀUI

VICTORIA
UNIVERSITY OF WELLINGTON

School of Information Management

INFO 381 SPECIAL TOPIC: MOBILE APP DEVELOPMENT

Trimester 1, 2016

COURSE OUTLINE

Prescription
This course covers mobile app design and development principles for business students. Using a project based approach, students will develop entertaining and socially useful apps including games, quizzes, polling tools, location-aware, and database apps. All the apps will be created using a visual programming environment.

Course Learning Objectives
By the end of this course, students should be able to:
1. Acquire fundamental mobile Apps development concepts
2. Apply mobile Apps design principles
3. Evaluate mobile Apps business values
4. Assess the social values and impact of mobile Apps.

Course Content

Wk	Date	Topic	Lecture Exercise *	Workshop	Readings	Discussion Reading articles in BB
1	3/3	Introduction to App Inventor			Chapter 1	Mobile App design and usability
2	10/3	Working With Media	LE1	Workshop 1	Chapter 2	
3	17/3	Input, Variables, and Calculations	LE2	Workshop 2	Chapter 3	
EASTER BREAK						
4	31/3	Decision Blocks and Components	LE3	Workshop 3	Chapter 4	Mobile App business values
5	7/4	Repetition Blocks	LE4	Workshop 4	Chapter 5	
6	14/4	Procedures and Functions	LE5	Workshop 5	Chapter 6	
7	21/4	Lists		Workshop 6	Chapter 7	
BREAK						
8	5/5	Using TinyDB	LE6	Workshop 7	Chapter 8	Social values and impact of mobile Apps
9	12/5	Graphics and Animation	LE7	Workshop 8	Chapter 9	
10	19/5	Working with Text	LE8	Workshop 9	Chapter 10	
11	26/5	Text Messaging	LE9	Workshop 10	Chapter 11	
12	2/6	Sensors & Review			Chapter 12	

*Delivered during lecture only

Class Times and Room Numbers
Lecture: Thursday 12:40 -14:30 GBLT1
Workshop: RWW415

Trimester Dates
Teaching Period: From Monday 29th February – Friday 17th June.

Withdrawal from Course
1. Your fees will be refunded if you withdraw from this course on or before Friday 11th March 2016.

2. The standard last date for withdrawal from this course is Friday 13th May 2016. After this date, students forced to withdraw by circumstances beyond their control must apply for permission on an '*Application for Associate Dean's Permission to Withdraw Late*' including supporting documentation. The application form is available from either of the Faculty's Student Customer Service Desks.

Names and Contact Details

Role	Name	Room	Tel.	E-mail	Office Hours
Course Coordinator	Dr Tiong T. Goh	RH403	463 6860	tiong.goh@vuw.ac.nz	Thursday & Friday 10am – 11am
SIM Undergraduate Support Team	Anette Klaassen Duncan Inkster	RH521	463 6998	simstudents@vuw.ac.nz	Monday-Friday 10am-4pm or by appointment

Examinations
There is no final exam.

Readings
The following textbook is required:

Tony Gaddis & Rebecca Halsey (2015). Starting Out With App Inventor for Android, Global Edition ISBN 9781292080321 ISBN 10 1292080329 Pearson Higher Ed USA.

E-book can be purchased from http://www.pearsoned.co.nz/9781292080338

Mandatory Course Requirements
In addition to obtaining an overall course mark of 50 or better, students must:
1.   Submit at least 7 lecture exercises.
2.   Attend and submit at least 8 workshops.
*attendance is considered valid only if student attended the full duration of the class.

If you cannot complete an assignment or sit a test or examination, refer to
www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat

Any student who is concerned that they have been, or might be, unable to meet any of the mandatory course requirements because of exceptional personal circumstances, should contact the course coordinator as soon as possible.

Course Delivery
In addition to the project based approach, a flipped learning pedagogy will be used. Groups of students will be asked to present learning content and lead a discussion. A flipped report based on learning content and in class discussion will be required from each group.
Workshops enable you to acquire practical skills and you must prepare for the workshop prior to your allocated time.Completing assignments and lecture exercises will enhance your understanding of the theories, concepts and technologies learnt throughout the course.

Expected Workload

In terms of weekly course workload, expect to spend 2 hours in each lecture, 2 hours in each workshop, and about 5 hours working on your own per week in preparation for lectures, presentation, workshops, assignments, and exercises.

Group Work

For assignment 1and the flipped report individual tasks contribute 70% and group tasks contribute 30% towards your assessment mark. Expect to spend 3 hours in face-to-face meetings for each of the group assignments.

Assessment Requirements

The Assessment Handbook will apply to all VUW courses, see
http://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf.

Tasks	Learning Objectives	Due Date	Percentage
Assignment Project 1	LO1, LO2	Assignment 1 due 22/4 2PM	30
Assignment Project 2	LO1, LO2, LO3, LO4	Assignment 2 due 17/6 2PM	30
Workshops submission	LO1, LO2, LO3	TBA	10
Flipped Delivery Report	LO1, LO2, LO3, LO4	TBA	20
Lecture Exercise	LO1, LO2, LO3, LO4	Every Thursday	10
Total			**100**

Materials and Equipment

Students are *expected to have the following* for each workshop:
- An android device
- A laptop computer (optional)
- Read the workshop requirement prior to their allocated workshop time

Practicum Arrangements

Workshop slots will be available on the sign-up system https://student-sa.victoria.ac.nz/
You must select only one time slot that fits your timetable.

Extensions and Penalties

Extensions

Personal extensions are granted only in special circumstances and supporting evidence such as a medical certificate may be requested by the course coordinator or SIM undergraduate support team.

Non-extendable assessments. For some work, such as lab projects, case discussion preparation, quizzes, workshop and tutorial preparation there is no possibility of late submission as the opportunity for the work to be completed has already passed.

Penalties

The penalty for late submission of work without a prior extension arrangement is a reduction of 10% of the available marks each calendar day, starting from the due date and time, up to 5 days after the due date. At the course coordinator's discretion, work handed in after 5 days may be assessed and feedback provided, but no grade will be assigned.

Student Feedback
Note that this a new course and consequently no student feedback from past courses is available.
Student feedback on University courses may be found at:
www.cad.vuw.ac.nz/feedback/feedback_display.php

Class Representative
A class representative will be elected in the first class, and that person's name and contact details made available to VUWSA, the Course Coordinator and the class. The class representative provides a communication channel to liaise with the Course Coordinator on behalf of students.

Communication of Additional Information
All notices relating to this course will be posted on Blackboard.
www.blackboard.vuw.ac.nz

Link to general information
For general information about course-related matters, go to
http://www.victoria.ac.nz/vbs/studenthelp/general-course-information

Note to Students
Your assessed work may also be used for quality assurance purposes, such as to assess the level of achievement of learning objectives as required for accreditation and academic audit. The findings may be used to inform changes aimed at improving the quality of VBS programmes. All material used for such processes will be treated as confidential, and the outcome will not affect your grade for the course.

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