Unit Plan

Unit Code: CSP2108　　　　　　　　**Unit title:** Introduction to Mobile Apps. Development

Study Mode: On-campus & Off-campus　　**Academic Period:** Semester 2, 2019 (192)

Unit Coordinator:

Name	A/Prof. Mike Johnstone
Office	JO 18.313
Telephone	6304 6615
Email	m.johnstone@ecu.edu.au
Consultation arrangements	Please use email as a first point of contact outside of class. Always send university-related emails from your ECU student email address, and be sure to include the unit code in the subject line of your email. I aim to respond to emails within 24 hours (the School target is 48 hours).

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Introduction

This unit introduces the fundamental technologies and skills needed to design and develop applications for mobile devices. It covers design principles and practical implementation issues specific to the development of applications in a distributed environment on small mobile devices.

Teaching and Learning Approaches

Knowledge and skills will be developed by a combination of lecture-based material, practical workshop tasks and independent readings and research.

Learning Outcomes

On completion of this unit, students should be able to:

1. Apply advanced knowledge to analyse and design mobile software.
2. Deploy a mobile application successfully.
3. Explain the key features of the mobile device environment.
4. Interpret metrics produced by a relevant framework to build an effective mobile software product.
5. Program a simple mobile application.

Textbook

Fernandez, M. (2015). *Corona SDK mobile game development* (2nd ed.). Birmingham, UK : Packt Publishing.

Unit Content and Study Schedule

This table represents the unit's typical study schedule. Any deviations from this will be announced in Blackboard. Classes are only held in Make Up Week if necessary to remain on schedule. Classes are not held during the Mid Semester Break. See the academic calendar[1] for details of teaching weeks.

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[1] http://intranet.ecu.edu.au/student/dates-and-events/academic-calendar

Teaching Week	Module	Topic
1 (29/07)	1	Introduction to Mobile Apps Dev
2 (05/08)	2	Introduction to Lua
3 (12/08)	3	Lua#2 and the Corona Display Library
4 (19/08)	4	Lua#3 and Corona Images and Animation
5 (26/08)	5	Lua#4 and the Corona File System
6 (02/09)	6	Interaction and UI Design
7 (09/09)	7	Sensors and Physics
8 (16/09)	8	Display Groups and Composers
9 (23/09)	9	Methodologies for Mobile App Development
(30/09)		Mid Semester Break
10 (07/10)		Make Up Week
11 (14/10)	10	Location Awareness and Networking
12 (21/10)	11	Data Management
13 (28/10)	12	Unit review

Assessment Details

Assessment	Due Date	Value
Assignment: Problem solving and planning	02 Sep. 2019	15%
Project : Mobile App	25 Oct. 2019, 11:59PM	35%
End of Semester Examination	TBA	50%

Assignment briefs can be found on the Assessments page of the unit site in Blackboard.

All unit assessments, excluding those completed under supervised conditions, may, at the Unit Coordinator's discretion, be extended to require an oral examination or demonstration to clarify and support the assignment submission. The oral examination or demonstration will normally be held in person with the Unit Coordinator but may be conducted by telephone or other means at the Unit Coordinator's discretion. The oral examination or demonstration will be conducted as soon as possible after the assessment but may be deferred if the student is unable to attend and can provide supporting evidence. The oral examination or demonstration will be able to override the original assessment of the written submission. Failure to attend for an oral examination or demonstration, if requested, could result in a mark of 0 for the assessment.

Additional Information

Email Protocol

All emails to ECU staff must be sent from your student email account.

When using email to communicate with ECU staff, you should always make sure that your message contains the following:

1. **A subject that contains the unit code**, and clearly describes the nature of your query or request. Your lecturers receive many emails a day and may also teach more than one unit, so if your email does

not contain the unit code it may not be possible to place your message in context. If the subject does not indicate the nature of the message, it may well remain unanswered.

2. Ensure that you **include previous messages in email replies**, and make sure that previous messages are included in an ongoing exchange. Your lecturer deals with many students. Having a copy of the previous exchanges included in your message will expedite a response. You should still make sure that the subject indicates what the email is about.

3. Address your lecturer appropriately by name.

4. State your question or request clearly and concisely.

5. Insert a signature at the end of your email that contains your full name and student number

Your lecturer/tutor will inform you if there are additional requirements for communicating by email.

In normal circumstance your lecturer/tutor will reply within 2 working days.

Assignment Extensions

Any student who wishes to defer the submission of an assignment must apply to the lecturer **before the due date** for an extension of the time within which to submit the assignment. The application must be in writing and **must set out the grounds on which deferral is sought.**

- Where the assignment is submitted not more than 5 working days late, the penalty shall, for each working day that it is late, be 5% of the maximum assessment available for the assignment; or
- Where the assignment is more than 5 working days late, a mark of zero shall be awarded.

Referencing in Assignment Work

All sources must be cited (in text citation) *and* listed (end reference list). For details about referencing and the required format, please refer to the [ECU Referencing Guide](2).

Academic Misconduct

Edith Cowan University regards academic misconduct of any form as unacceptable. Academic misconduct, which includes but is not limited to, plagiarism; unauthorised collaboration; cheating in examinations; theft of other student's work; collusion; inadequate and incorrect referencing; will be dealt with in accordance with the ECU Rule 40 Academic Misconduct (including Plagiarism) Policy.

Ensure that you are familiar with the [Academic Misconduct Rules](3).

Deferred Exams

If you have [appropriate grounds](4) for being unable to attend an exam, you can apply for a deferred exam.

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[2] http://www.ecu.edu.au/centres/library-services/workshops-and-training/referencing
[3] http://intranet.ecu.edu.au/__data/assets/pdf_file/0019/18811/academic_misconduct_rules_students070327.pdf
[4] http://askus.ecu.edu.au/app/answers/detail/a_id/803/~/on-what-grounds-can-i-apply-for-a-deferred-exam%3F

Failing a Unit

Failing a unit three times may result in you being excluded from the unit, the major to which the unit belongs, or even the course. Clarification and further assistance can be obtained by contacting the Student Information Office.

Unit and Teaching Evaluation Instrument (UTEI)

At the end of the semester, all students will be requested to complete the ECU UTEI online survey. This survey will ask questions concerning your level of satisfaction with the unit, your lecturer and your tutor. Your feedback is needed to help us to improve the quality of our courses. We endeavour to use the feedback we receive from the UTEI survey to improve the quality of the unit when it is next run. In fact, the unit as it is running this semester has been modified in several ways based on the feedback we have received previously from the UTEI. Participation and your feedback are anonymous and confidential.