Department of Industrial and Information Management-Graduate Program
Institute of Information Management

R780400 Mobile Networking Technologies and Applications (行動網路技術與應用)

Spring 2019 (107 學年度第 2 學期)

This mission of Department of Industrial and Information Management is to cultivate industrial and information management professionals who possess TIP (Technological knowledge, Innovative foundation, and Perceptive learning).

Undergraduate Program Learning Goals (goals covered by this course are indicated):

✓	1	Undergraduate students should be able to communicate effectively verbally and in writing.
✓	2	Undergraduate students should solve strategic problems with a creative and innovative approach.
	3	Undergraduate students should demonstrate leadership skills and ethics demanded of a person in authority.
	4	Undergraduate students should possess a global economic and management perspective.
✓	5	Undergraduate students should possess the necessary skills and values demanded of a true professional.

Instructor:

Name: Ren-Shiou Liu (劉任修)

Phone: 53125
Email: renshiou.liu@gmail.com
Class Time: Tue.14:10~17:00
Location: 工管系館 61201
Class Website: http://moodle.ncku.edu.tw/

Prerequisite:
Students must be familiar with at least Java programming language and fundamental multi-processing/networking concepts before taking this class

Course Description:
The goal of this course is to provide an overview of cloud computing concepts, technologies and architecture. We will also emphasize practices via lab assignments to sharpen your Android app development skills.

Course Content:
1. Android Programming:
   - Android Studio and MVC
   - Layout and Basic Applications
   - Activities and Intents
   - Fragments
   - Custom Views and Touch Gestures
   - AsyncTask and HandlerThread
   - SQLite and Menus
   - Intent Service and Notification

- Google Map and Geofence
- Flickr API

2. Paper Discussion

Textbook:

1. Android Programming Concepts, Trish Cornez and Richard Cornez, Jones & Bartlett Learning, 2017, ISBN: 987-1-284-07070-5 (Required)
台灣代理商 開發圖書 甘興邦經理 Tel: 0916-709-655

References:

1. Android SDK Documents: http://developer.android.com/sdk/index.html
2. Thinking in Java, 3rd Edition, Bruce Eckel, Prentice Hall, 2002, ISBN: 0131002872

Grading Policy:
(*Including a grading scheme for AACSB Multiple Assessment)

		Homework Assignments 30%	Presentations 30%	Participation 10%	Project 25%
COMMU	☑ Speaking		70%	90%	40%
	☑ Writing	10%	30%		10%
CPSI	☑ Interdiscip. Competence/ Prob. Solving	70%			
	☑ Critical Thinking/ Innovation	20%		10%	50%
LEAD	□ Leadership				
	□ Ethical Reasoning				
GLOB	□ Global Vision				
VSP	□ Teamwork				