



CSE 3203 OVERVIEW OF MOBILE SYSTEMS STUDY GUIDE

MODULE 1: OVERVIEW/INTRODUCTION

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OVERVIEW AND LEARNING OUTCOMES

The first module is an overview of mobile systems and introduces topics that we are going to study in details in later weeks. You probably will have more questions than answers in this first module. These questions will guide your study and exploration for the whole semester.

Learning outcomes:

1. Define mobile systems and mobile ecosystem.
2. Describe major components of the mobile ecosystem.
3. Review the history of mobile systems and discuss the general evolution stage of mobile systems.
4. Discuss the changes that brought by mobile systems.

This module is related to course learning outcome 3 and 4.

TASK LIST

1. Complete the required readings listed in learning materials. Use the questions in “review and research” section to guide your reading.
2. Use the lecture notes as a reading and learning guide; follow the resources presented in the notes for further information and additional learning.
3. Review and research (no submission):
 - a. What is a mobile ecosystem? What are the major parts?
 - b. What is the value of mobile devices and applications? How is it disruptive to existing industries? Have one example (for the past two years) of a new mobile device or application that has changed or is changing our life.
 - c. Which of the facts surprises you most from the reports listed in the lecture notes?

LEARNING MATERIALS

1. Core learning resources
 - a. Mobile Design and Development, Chapter 1 and 2 (sample chapters provided by Google Books); chapter 2 is also attached in D2L <https://books.google.com/books?id=LyMeulBTkH0C>
 - i. A lecture based on the chapters: <https://www.slideshare.net/iivanoo/lecture01-11910341>
 - b. The following provides more perspectives on the ecosystem:
 - i. <https://learndatamodeling.com/blog/what-is-mobile-ecosystem/>
 - ii. <http://ben-evans.com/benedictevans/2015/11/7/mobile-ecosystems-and-the-death-of-pcs>
2. Instructor’s lecture notes/slides
3. Additional good readings and resources
 - a. 16 mobile theses: <http://ben-evans.com/benedictevans/2015/12/15/16-mobile-theses>
 - b. <http://ben-evans.com/benedictevans/2016/12/8/mobile-is-eating-the-world>
 - c. <https://www.slideshare.net/pragatiogal/mobile-ecosystem-9716726>
 - d. KPCB Internet Trends <https://www.kleinerperkins.com/perspectives/internet-trends-report-2018>
 - e. <https://www.slashdata.co/blog/2013/10/how-to-win-in-mobile-without-making-your-own-os>