



# **Course Syllabus for Mobile Communications**

**Dept. of Mobile Systems Engineering  
Dankook University**

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# Overview of Mobile Communications



- In this course, students will learn **introduction to wireless and mobile communication systems**.
- This course, **Mobile Communications** is the one of communication-related courses in the dept. of MSE. **Computer Networks** is scheduled in the spring semester.
- The following topics will be discussed in this course:
  - Overview of wireless cellular networks,
  - Mobile Radio Propagation,
  - Channel Coding and Error Control,
  - Multiple Radio Access and Protocols,
  - Multiple Division Techniques for Traffic Channels,
  - Modulation Techniques (Optional)

# Overview of Mobile Communications



- This course is related to the following courses.
  - Computer Networks
  - Probability and Statistics
  - Multimedia Signal Processing
  - Latest Mobile System Technologies 1 & 2

# Lecture Plan



Week	Topics	Week	Topics
1		9	
2	Overview of wireless cellular networks	10	Multiple Radio Access and Protocols
3		11	
4	Mobile Radio Propagation	12	Multiple Access
5		13	
6	Channel Coding and Error Control	14	Modulation (Optional)
7		15	<b>Final Exam</b>
8	<b>Midterm Exam</b>		

# Grading Policy



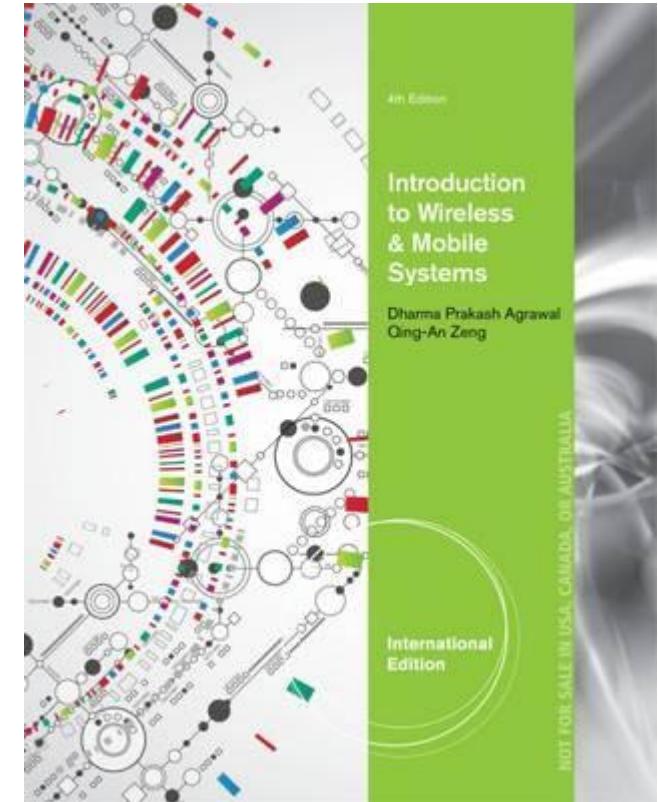
Item	Percentage
Final Exam	45%
Midterm Exam	45%
Homework	0%
Attendance	10%
Etc. (Attitude)	0%
Total	100%

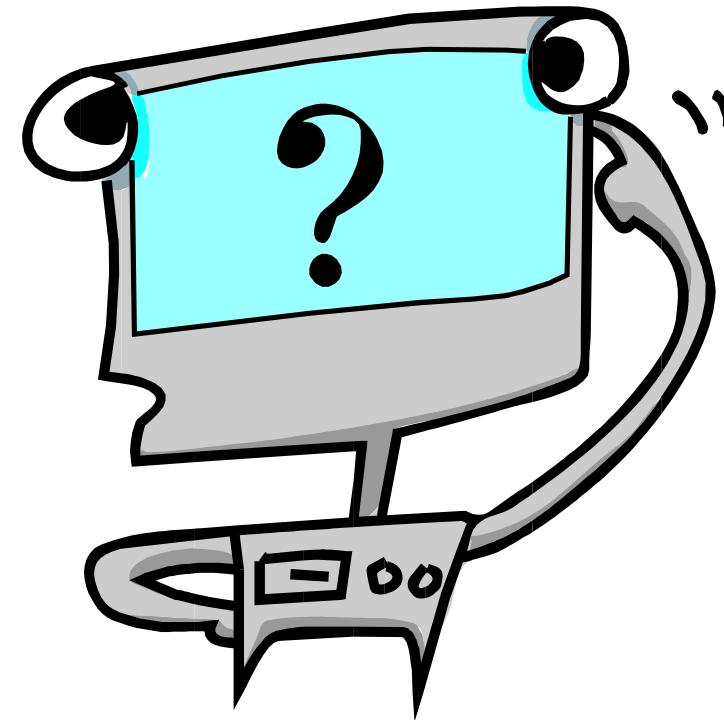
Grade	Percentage
A+ & A	Max. 30%
B+ ~ F	Max. 70%
Total	100%

\* Grade percentage is subject to change according to the general guideline of DKU.

## ■ Textbook

- Title: **Introduction to Wireless & Mobile Systems (4<sup>th</sup> Ed.)**
- Authors: Dharma Prakash Agrawal, Qing-An Zeng
- Publisher: CENGAGE Learning
- International Edition이 있음.
- ISBN-13: 9781305259621(1305259629)





# Thank You !

