# Wireless Networks

# Teaching Plan

- 1. Introduction
- 2. Probability, Statistics, and Traffic Theories (Self Study)
- 3. Mobile Radio Propagation
- 4. Channel Coding and Error Control
- 5. Cellular Concept
- 6. Multiple Radio Access

# Teaching Plan

- 7. Multiple Division Techniques for Traffic Channels
- 8. Traffic Channel Allocation
- 9. Mobile Communication Systems
- 10. Network Protocols
- 12. IEEE 802.11 Technologies and AP
- 13. Ad Hoc Networks
- 14. Sensor Networks

# Textbook & References

- Textbook:
  - Introduction to Wireless & Mobile Systems, 4$^{th}$ edition (Dharma Prakash Agrawal and Qing-An Zeng)

- References
  - Ad Hoc Wireless Networks: Architectures and Protocols by C. Siva Ram Murthy, B. S. Manoj
  - Wireless Communications & Networks by William Stallings

# Assessment

Class Attitude: ~5%

Assignments: ~35%

Quiz: 0% ~ 10%

Middle Exam: 25% ~ 30%

Final Exam: 25% ~ 30%

Paper Presentation  & Report: ~ 10% (Option)

# Websites

- Course:
  - iLMS