Networking: What and Why

• Networking is about the design, construction and use of a network, including the physical connection, selection and use of protocols for using and managing the network

• Networking in the MSc programmes:
  – Strategically selected area in Electronic and Information Engineering
  – Foundation in Multimedia Information Technology

• Topic areas:
  – Computer networks
  – Cellular networks
  – Wireless LAN and Wireless ad-hoc networks
  – Managing networks

Teaching and Learning Activities

Combine principles with practice

• Lectures
• Tutorials
• Supporting laboratory exercises to supplement learning
  – hands-on experience with a protocol analyser (Wireshark) to experiment with Internet protocols
• Course project to investigate a selected topic, develop a report and give a presentation
  – Industrial case examples from the mobile network business
EE6413 – Course Information

• **Aims:** This course aims to provide students with an understanding of the principles, protocols and performance evaluation techniques of various wired and wireless networks.

• **Prerequisites:** EE5412 Telecommunication Networks or equivalent.

• **Precursors:** EE6412 Signaling, Switching and Routing in Telecommunication Networks; or equivalent.

• **Assessment:**
  – Continuous Assessment: 40%
    • Supporting laboratory exercises
    • Course project
  – Written examination: 60%

• **Further details:**
  [http://www.cityu.edu.hk/pg/current/course/EE6413.htm](http://www.cityu.edu.hk/pg/current/course/EE6413.htm)