

King Fahd University of Petroleum and Minerals  
College of Computer Sciences and Engineering  
Department of Computer Engineering

**COE 341 – Data & Computer Communications (T062)**

**Essay Objectives & Deliverables:**

- Every team of 2 students will read about one of the following topics, write a 6-page report, and make a 15 minutes presentation:
  - Spread Spectrum
  - Wavelength Division Multiplexing (WDM)
  - WiMax
  - Wireless Mesh Networks
  - Wireless Ad-Hoc Networks
  - Fixed-Wireless Access
- Names of the team members and the topic's preference list (sorted from most preferred to least preferred) must be submitted by **Tuesday 03/04/2007 at 10:00 AM.**
- The report is due on **Tuesday 15/05/2007 at 10:00 AM.** The report should be 6 pages long, single column, 1.5 lines spacing, and 12-points Times New Roman font. The report should include:
  - Explanation of the technology of the selected topic.
  - How the technology of the selected topic works.
  - Variations of the technology of the selected topic.
  - How the technology of the selected topic differs from other similar technologies.
  - Where the technology of the selected topic can be applied.
  - Full set of references.
- The slides of the 15 minutes presentation are due on **Sunday 20/05/2007 at 10:00 AM.**
- The 15 minutes presentation is due on **Tuesday 22/05/2007 at 10:00 AM.** The presentation should be presented by all members of the team (i.e. each member should present for 6 minutes part of the whole presentation and leave 3 minutes for Q/A). All team members are expected to answer questions about the entire presentation (not just the part he is responsible for).