

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

COE 341 – Data & Computer Communications (T081)

Essay Objectives & Deliverables:

- Every team of 4 students will read about one of the following topics, write a 6-page report, and make a 15 minutes presentation:
 - Orthogonal Frequency-Division Multiple Access (OFDMA)
 - Wavelength Division Multiplexing (WDM)
 - Multiple-Input and Multiple-Output (MIMO)
 - Long Term Evolution (LTE) Wireless Technology
 - Spread Spectrum
- Names of the team members and the topic's preference list (sorted from most preferred to least preferred) must be submitted by **Wednesday 19/11/2008 at 11:00 AM**.
- The report is due on **Saturday 17/01/2009 at 11:00 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 **Wednesday 21/01/2009 at 11:00 AM**.
- The 15 minutes presentation to be delivered on **Week 15 (i.e. Saturday 24/01/2009 – Wednesday 28/01/2009 at 11:00 AM)**. The presentation should be presented by 2 members of the team (i.e. each of the two members of the team 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.
- Both the report and the presentation slides must be the team's genuine effort. **Plagiarism will NOT be tolerated.**