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

COE 341 – Data & Computer Communications (T111)

Essay Objectives & Deliverables:

- Every team of 3 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
    - Multiprotocol Label Switching (MPLS)
    - WiMAX
    - Satellite Communications
- Names of the team members and the topic's preference list (sorted from most preferred to least preferred) must be submitted by **Sunday 27/11/2011 at 10:00 AM**.
- The report is due on **Sunday 25/12/2011 at 10:00 AM**. The report should be 6 pages long (including the cover page), 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 **Monday 26/12/2011 at 12:00 PM**.
- The 15 minutes presentation to be delivered on **Tuesday 27/12/2011 and Sunday 01/01/2012 at 10:00 AM)**. The presentation should be presented by 2 members of the team (i.e. each of the presenters should present for 6 minutes part of the whole presentation and leave 3 minutes for Q/A). <u>All team members</u> are expected to answer questions about the <u>entire presentation</u>.
- Both the report and the presentation slides must be the team's genuine effort. **Plagiarism will <u>NOT</u> be tolerated**.