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

COE 353 Fundamentals of Computer Communications (3-0-3)

**Instructor:** Dr. Marwan Abu-Amara
**Office:** 22-145
**Phone:** 1632
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**Term:** 111 (1st term 2011–2012)
**Day & Time:** UT 07:00 AM – 08:15 AM
**Location:** 22-130
**Textbook:** *Applied Data Communications: A Business-Oriented Approach,* James E. Goldman and Phillip Rawles, Fourth Edition, John Wiley & Sons.
**Office Hours:** UT 08:30 AM – 09:45 AM (or by appointment)
**Web Site:** http://faculty.kfupm.edu.sa/COE/marwan

**Tentative Grading Policy:**

- Homeworks **10%**
- Quizzes **10%**
- Report & Presentation **5%**
- Major Exam I **20%** (Week 07 – Tuesday October 25, 2011)
- Major Exam II **25%** (Week 13 – Tuesday December 13, 2011)
- Final Exam **30%** (*Comprehensive* – Saturday January 7, 2012 – 7:30 AM)

**IMPORTANT NOTES:**

- All KFUPM regulations and standards will be enforced. Attendance will be checked each class. The KFUPM rule pertaining to a DN grade will be strictly enforced (i.e. **> 6 absences** will result in a DN grade). *Check the website regularly for warnings regarding your absences.*

- If you are late to the class for more than 10 minutes (i.e. arrive after 07:10 AM), you will **NOT be allowed to enter** the classroom and you will be considered absent for that class.

- Only university approved/certified excuses will be accepted, and should be presented **no later than 1 week** after absence.

- Use of cell phones and PDAs during class period and during exams is absolutely **prohibited**.

- Homeworks are to be submitted **in class** on the due date during the class period. Late homeworks will **NOT be accepted**.

- You have 48 hours to object to the grade of a homework, a quiz, or a major exam from the end of the class time in which the graded papers have been distributed back. If for some reason you cannot contact me within this period, send me an email requesting an appointment. The email should be sent within the 48-hour time period.

- **NO make up exams**. ALL homeworks and quizzes will be counted towards your grade.

- Final exam is **comprehensive**.

**Tentative schedule:**

| Week | Topic | Textbook |
|------|-------|----------|
| 1 | Data communication industry | Chapter 1 |
| 2 | Data communication concepts | Chapter 2 |
| 3 | Data communication concepts (contd.) | Chapter 2 |
| 4 | Basic Data Communication Technology | Chapter 3 |
| 5 | Basic Data Communication Technology (contd.) | Chapter 3 |
| 6 | Local Area Networks (LANs) architecture | Chapter 4 |
| 7 | Local Area Networks (LANs) architecture | Chapter 4 |
| **Major Exam 1 on Tuesday 25 October 2011 (class time)** | | |
| 8 | Voice Communication Concepts and Technology | Chapter 5 |
| 9 | Voice Communication Concepts and Technology | Chapter 5 |
| 10 | Wide Area Networks | Chapter 6 |
| 11 | Wide Area Networks | Chapter 6 |
| 12 | LAN Communication Protocol | Chapter 7 |
| 13 | LAN Communication Protocol | Chapter 7 |
| **Major Exam 2 on Tuesday 13 December 2011 (class time)** | | |
| 14 | Network Security | Chapter 12 |
| 15 | Network Security | Chapter 12 |
| **Final Exam (Saturday, January 7, 2012 @ 7:30 AM)** | | |