

King Saud University  
College of Engineering  
Electrical Engineering Department



## EE482: Communication Networks

2<sup>nd</sup> term, 1444

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**Instructor:** Dr. Nasser Aldaghri  
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**Office hours:** Sundays and Thursdays, 10-10:30AM and 1-1:30PM

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**Pre-requisite:** EE320 Communications Principles

**Textbook:** *Alberto Leon-Garcia and Indra Widjaja*, “Communication Networks”, 2<sup>nd</sup> Edition, McGraw Hill.

**References:** *James F. Kurose and Keith W. Ross*, “Computer Networking: A Top-Down Approach”, 6<sup>th</sup> Edition, Person, and *Behrouz Forouzan*, “Data Communications and Networking”, 5<sup>th</sup> Edition, McGraw Hill.

### Course Description:

Introduction to communications networks; Circuit switching and packet switching; Computer networks protocols: OSI layers; Traffic flow control: Reliable data transfer; Medium access control methods; Local area networks (LANs): Ethernet and Wi-Fi; Routing algorithms; IP addressing; Overview of several protocols used in the Internet; TCP and UDP; Discussion of recent development in the subject.

### Grading Policy:

The grading policy for this course is as follows

- 40%: Final exam.
- 30%: Midterm.
- 28%: Homework, projects, labs.
- 5%: Attendance.

**Total:** 103%