

Ministry of Higher Education & Scientific Research

University of Anbar

College of Computer Science
and Information Technology

Computer Networks Systems Department



كلية علوم الحاسوب وتكنولوجيا المعلومات

وزارة التعليم العالي والبحث العلمي

جامعة الأنبار

كلية علوم الحاسوب وتكنولوجيا المعلومات

قسم أنظمة شبكات الحاسوب

Department of Computer Networks Systems

Course Description Form

Course Title: Data Communication

Course Code:

Semester: I

Level: B.Sc.

Class: 2

Academic Year: 2022/2021

Course Instructor: Assist. Prof. Dr. Ahmed Subhi Abdalkafor

Academic status: Assist Professor

Place of work: Career Development Center, University of Anbar

Credit Hours: 2 Hours

Instructor Office Hours:

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Mobile Number: 07834120596



Lecture Schedule:

Weeks	Topics
Week 1	<ul style="list-style-type: none"> Data Communications: overview
Week 2	<ul style="list-style-type: none"> Characteristics of Data Communication Data of Representation Data Flow
Week 3	<ul style="list-style-type: none"> Data Representation
Week 4	<ul style="list-style-type: none"> Data and Signals Periodic & Non Periodic Signals Relation between Frequency & Period
Week 5	<ul style="list-style-type: none"> Digital Signals Baud Rate Types of Channels
Week 6	<ul style="list-style-type: none"> Bandwidth Bandwidth of A Signal Bandwidth of A Channel Shannon Capacity
Week 7	<ul style="list-style-type: none"> Time Domain and Frequency domain representation of signals
Week 8	<ul style="list-style-type: none"> Transmission Media
Midterm Exam	
Week 9	<ul style="list-style-type: none"> Computer Networks Criteria for Network
Week 10	<ul style="list-style-type: none"> Physical Structures for Network Networks Topologies
Week 11	<ul style="list-style-type: none"> OSI Model
Week 12	<ul style="list-style-type: none"> TCP/IP Model
Week 13	<ul style="list-style-type: none"> Comparison of the OSI and TCP Reference Models
Week 14	<ul style="list-style-type: none"> Standards-based internetworking methods I
Week 15	<ul style="list-style-type: none"> Standards-based internetworking methods II