

Republic of Iraq

The Ministry of Higher Education

& Scientific Research



University: Diyala

College: Engineering

Department: Computer and S/W

Stage: Fourth

Lecturer name: Saad M. Saleh

Academic Status: Lecturer

Qualification: PhD

Place of work: Computer Dept.

## Flow up the implementation of course syllabus

<b>Course Instructor</b>	Saad Mohammed Saleh				
<b>E_mail</b>	saad_alazawi@yahoo.com				
<b>Title</b>	Computer Networks				
<b>Course Coordinator</b>					
<b>Course Objective</b>	To teach student the main information about computer networks, types and the data transmission through computer networks				
<b>Course Description</b>	An overview about computer networks, their types, reference models, hardware components, data transmission, error detection and correction and others				
<b>Textbook</b>	Computer Networks, Fifth Edition, By Andrew S. Tanenbaum Other resources: Data Communications and Networking By Behrouz A.Forouzan Data and Computer Communications, 2 <sup>nd</sup> Edition By William Stallings Internet Resources; texts and Movies				
<b>Course Assessment</b>	First Term	Mid-Year	2 <sup>nd</sup> Term	Project	Final Exam
	10 %	20 %	10 %	----	60 %
<b>General Notes</b>	Type here general notes regarding the course				

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## Course Weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
١	٠٧/١٠/٢٠١٤	Introduction		
٢	١٤/١٠/٢٠١٤	OSI and TCP/IP Models		
٣	٢١/١٠/٢٠١٤	Physical Layer		
٤	٢٨/١٠/٢٠١٤	Physical Layer		
٥	٠٤/١١/٢٠١٤	Data Link Layer		
٦	١١/١١/٢٠١٤	Data Link Layer		
٧	١٨/١١/٢٠١٤	Error Detection and Correction		
٨	٢٥/١١/٢٠١٤	Sliding Windows Protocols		
٩	٠٢/١٢/٢٠١٤	MAC Sub-Layer		
١٠	٠٩/١٢/٢٠١٤	Multiple Access Control		
١١	١٦/١٢/٢٠١٤	Ethernet		
١٢	٢٣/١٢/٢٠١٤	WLAN and Bluetooth		
١٣	٣٠/١٢/٢٠١٤	Network Layer		
١٤	٠٦/٠١/٢٠١٥	Holiday		
<b>Mid-Year Break</b>				
١٥	١٧/٠٢/٢٠١٥	Routing Algorithms		
١٦	٢٤/٠٢/٢٠١٥	Routing Algorithms		
١٧	٠٣/٠٣/٢٠١٥	Congestion Control		
١٨	١٠/٠٣/٢٠١٥	Quality of Service		
١٩	١٧/٠٣/٢٠١٥	Transport Layer		
٢٠	٢٤/٠٣/٢٠١٥	Transport Layer		
٢١	٣١/٠٣/٢٠١٥	Application Layer		
٢٢	٠٧/٠٤/٢٠١٥	DNS and E-Mail		

٢٣	١٤/٠٤/٢٠١٥	<b>WWW and Multimedia</b>		
٢٤	٢١/٠٤/٢٠١٥	<b>Cryptography</b>		
٢٥	٢٨/٠٤/٢٠١٥	<b>Public Key Algorithm</b>		
٢٦	٠٥/٠٥/٢٠١٥	<b>Authentication Protocol</b>		
٢٧	١٢/٠٥/٢٠١٥	<b>Email and Web Security</b>		
٢٨	١٩/٠٥/٢٠١٥	<b>General Revision</b>		
٢٩	٢٦/٠٥/٢٠١٥	<b>General Revision</b>		
٣٠	٠٢/٠٦/٢٠١٥	<b>General Revision</b>		

**Instructor Signature:**

**Dean Signature:**