

Course Code	Course Name	Credit Hours	Prerequisite
302 CIS-3	Network2	3 (2,2)	203CIS-3

Course description:

This course introduces transport and application layers of TCP/IP protocol suite , IPv4 addresses, packets, forwarding, IPv4, ICMPv4, IPv6 Addressing, Transport-Layer protocols (TCP and UDP), Client – server, Application layer protocols (HTTP, FTP, e.mail and DNS).

Course objectives:

By the end of this course, students will be able to:

- Understand the network layer functions, and its functions.
- Identify the transport layer protocol and its functions.
- Acquire the knowledge of application layer functions and protocols.
- design networks and install windows 2008.

Text Book

Behrouz A. Forouzan, **Data communications and networking**, 5th Edition, McGraw-Hill, 2013, ISBN:978-0-07-337622-6

Reference

- Data and Computer Communications 6 th Edition 2001 by William Stallings. ISBN: 0-12-084370-9 ISBN: 0-12-084370-9

- Computer Networks 4 th Edition 2003. Prentice Hall International. Prentice Hall International. ISBN: 0-13-394648-1 Tanenbaum..

Department coordinator

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