

YILDIZ TECHNICAL UNIVERSITY
2016 - 2017 ACADEMIC YEAR SPRING SEMESTER
SYLLABUS

INSTITUTE	GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
PROGRAMME	COMPUTER ENGINEERING
COURSE CODE AND TITLE	BLM6196 COMPUTER NETWORKS AND COMMUNICATION PROTOCOLS
CREDIT	3 (7,5)
TEACHING MEMBER	Prof. Dr. Hasan Huseyin Balik
OBJECTIVE	
GRADING PROCEDURE	Midterm (Assignment) and Final
TEXT BOOK	<p>1- Data and Computer Communications, Tenth Edition, William Stallings, Prentice Hall 2014, ISBN: 0133506487</p> <p>2- Computer Networks, Fifth Edition, Andrew S. Tanenbaum & David J. Wetherall, Prentice Hall 2011, ISBN: 0132126958</p> <p>3- Computer Networks: Performance and Quality of Service, Ivan Marsic, Ivan Marsic Department of Electrical and Computer Engineering, Rutgers University 2013</p> <p>4- Computer Networks: A Systems Approach, Fifth Edition, Larry L. Peterson & Bruce S. Davie, The Morgan Kaufmann Series in Networking 2011, ISBN: 0123850592</p> <p>5- Computer Networking A Top-Down Approach, Sixth Edition, James F. Kurose & Keith W. Ross, Course Technology, Pearson 2013, ISBN: 0132856204</p>
COURSE OUTLINE	<p>1- Data Communications, Data Networks, and the Internet</p> <p>2- Protocol Architecture, TCP/IP, and Internet-Based Applications</p> <p>3- The Internet Protocol</p> <p>4- Transport Protocols</p> <p>5- Wireless Transmission Techniques</p> <p>6- Wireless Networks</p> <p>7- Internetwork Operation</p> <p>8- Internetwork Quality of Service</p> <p>9- Multiprotocol Label Switching</p> <p>10- Electronic Mail, DNS, and HTTP</p> <p>11- Internet Multimedia Support</p>