2022 - 2023 ACADEMIC YEAR FALL SEMESTER
SYLLABUS

COURSE TITLE	Advanced Computer Networks
COURSE PAGE	http://www.hasanbalik.com/LectureNotes/AdvNetwork/
TEACHING MEMBER	Prof. Dr. Hasan Huseyin Balik
GRADING PROCEDURE	
TEXT BOOK	1- Data and Computer Communications, Tenth Edition, William Stallings, Prentice Hall 2014, ISBN: 0133506487 2- Computer Networks, Fifth Edition, Andrew S. Tanenbaum & Davİd J. Wetherall, Prentice Hall 2011, ISBN: 0132126958 3- Computer Networks: Performance and Quality of Service, Ivan Marsic, Ivan Marsic Department of Electrical and Computer Engineering, Rutgers University 2013 4- Computer Networks: A Systems Approach, Fifth Edition, Larry L. Peterson & Bruce S. Davie, The Morgan Kaufmann Series in Networking 2011, ISBN: 0123850592 5- Computer Networking A Top-Down Approach, Sixth Edition, James F. Kurose & Keith W. Ross, Course Technology, Pearson 2013, ISBN: 0132856204
COURSE OUTLINE	1- Data Communications, Data Networks, and the Internet 2- Protocol Architecture, TCP/IP, and Internet-Based Applications 3- Error Detection and Correction 4- Data Link Control Protocols 5- Multiplexing 6- The Internet Protocol 7- Transport Protocols 8- Midterm Exam 9- Routing 10- Congestion Control 11- Internetwork Operation 12- Internetwork Quality of Service 13- Multiprotocol Label Switching 14- Wireless Transmission Techniques