

**2022 - 2023 ACADEMIC YEAR SPRING SEMESTER
SYLLABUS**

COURSE TITLE	Computer and Network Security
TEACHING MEMBER	Prof. Dr. Hasan Huseyin Balik
COURSE PAGE	http://www.hasanbalik.com/LectureNotes/NetworkSecurity/
GRADING PROCEDURE	Final Exam 100%
TEXTBOOK	<p>1- Computer Security: Principles and Practice, 4th Edition, William Stallings and Lawrie Brown, 2018</p> <p>2- Computer Security Fundamentals, 3rd Edition, William (Chuck) Easttom, II, 2016</p> <p>3- Cryptography and Network Security: Principles and Practice, 7th Edition, William Stallings, 2017</p> <p>4- Network Security Essentials: Applications and Standards, 6th Edition, William Stallings, 2017</p>
COURSE OUTLINE	<ol style="list-style-type: none"> 1- Overview 2- IT Security Management and Risk Assessment 3- IT Security Controls, Plans and Procedures 4- Physical and Infrastructure Security 5- Human Resources Security 6- Security Auditing 7- Legal and Ethical Aspects 8- Cryptographic Tools 9- Symmetric Encryption and Message Confidentiality 10- Public-Key Cryptography and Message Authentication 11- Internet Security Protocols and Standards 12- Internet Authentication Applications 13- Wireless Network Security