

Network Security

Course Title: Network Security					
Course Code: CSD60004	Student Workload: 8.50 Hours/ Weeks	Credits: 3 Credits (4.50 ECTS)	Semester: 6 th Semester	Frequency: Even Semester	Duration: 16 Weeks/ Semester <i>(Lecture: 14 weeks; Midterm assessment: 1 week; Final assessment: 1 week)</i>
1	Types of Courses: Content Knowledge Course	Contact Hours: <i>Lecturing: 2.50 Hours/ Week; Practical Work: 0.00 Hours/ Week</i>	Independent Study: <i>Self-study: 3.00 Hours/ Week; Structured Assignment: 3.00 Hours/ Week</i>	Class Size: 40 Students	
2	Prerequisites for Participation (If Applicable): -				
3	Learning Outcomes: 1. M1: Understand the basic concepts of network security and physical security (ILO-5) 2. M2: Able to explain security at each layer protocol (ILO-6) 3. M3: Able to describe the types of attacks on the HTTP protocol (ILO-9)				
4	Subject aims/Content: At the end of the course, students are expected: 1. L1: Able to define concepts, threats, and defence techniques for network and physical security (M1) 2. L2: Able to determine risks and security techniques at the protocol layer (physical, data link, network, transport, and application) (M2) 3. L3: Able to define risks on ICMP, TCP, UDP protocols (M2) 4. L4: Able to explain the risks and security methods of the HTTP protocol (M3)				
5	Teaching Methods: Lecturing, Group Discussion, Case-Based Learning				
6	Assessment Methods: Multiple-choice, essay, product assessment, anecdotal record/logbook				
7	This Course is Used in The Following Study Programme/s as Well: -				
8	Responsibility for Course: Tri Afrianto, S.T., M.T. Faizatul Amalia, S.Pd., M.Pd.				
9	Other Information: Bibliography: 1. Stallings, Wiliam, Cryptography and Network Security, 5th edition, Prentice hall, 2011 2. Harrington, Jan, Network Security A Practical Approach, Morgan Kaufmann, 2005 3. Vacca, John. Network and System Security, Syngress, 2010 4. Douligeris, Christos, Network Security: Current status and Future Direction, IEEE Press, 2007				