Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
INF470	Network Laboratory	7	2	0	2	3	3

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	To use and to practice the network knowledge obtained in the INF423 (7.semestre)
Content	Week 1. Introduction to Wireshark Week 2. Ethernet & ARP Week 3. IP Week 4. ICMP Week 5. TCP Week 6. DNS Week 7. DHCP Week 8. Socket programming Week 9. HTTP and applications Week 10. Package transmission and congestion control Week 11. Network Security: Security Levels Week 12. Network Security: Security Levels Week 13. Simulation Week 14. Simulation
References	1. James F. Kurose and Keith W. Ross, “Computer Networking: A Top-Down Approach Featuring The Internet”, 2003, Addison Wesley, Pearson Education. 2. Russell Bradford, "The Art of Computer Networking", 2007, Prentice Hall, Pearson Education. 3. Andrew Tannenbaum, "Computer Networks," 1996, Prentice Hall, Inc. 4. D. Bertsekas and R. Gallager, "Data Networks," 2nd Ed., 1992, Prentice Hall, Inc. 5. T.S. Rappoport, "Wireless Communications," 1996, Prentice Hall, Inc.

Theory Topics

Week	Weekly Contents
1	Introduction to Wireshark
2	Ethernet & ARP
3	IP
4	ICMP
5	TCP
6	DNS
7	DHCP
8	Socket programming
9	HTTP and applications
10	Package transmission and congestion control
11	Network Security: Security Levels
12	Network Security: Security Levels
13	Simulation
14	Simulation