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	 James F. Kurose and Keith W. Ross, "Computer Networking: A Top-Down Approach Featuring The Internet", 2003, Addison Wesley, Pearson Education. Russell Bradford, "The Art of Computer Networking", 2007, Prentice Hall, Pearson Education. Andrew Tannenbaum, "Computer Networks," 1996, Prentice Hall, Inc. D. Bertsekas and R. Gallager, "Data Networks," 2nd Ed., 1992, Prentice Hall, Inc. 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	ТСР
6	DNS
7	DHCP
8	Socket programming
9	HTTP and applications
10	Package transmission and congestion control

Week	Weekly Contents	
11	Network Security: Security Levels	
12	Network Security: Security Levels	
13	Simulation	
14	Simulation	