



<b>COURSE: IDENTIFICATION AND AUTHENTICATION</b>		
<b>MASTER: CYBERSECURITY</b>	<b>YEAR: 2017-18</b>	<b>TERM: 2nd</b>

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS/LAB <sup>1</sup>		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Presentation of the course Chapter 1 – User authentication: Concepts and definitions	X			Previous reading. Answering questions about background.	1,5	4
1	2	Chapter 1 – User authentication: Authentication Schemes (passwords, tokens, biometrics). Multifactor authentication.	X			Previous reading. Analysis of proposed texts	1,5	
2	3	Chapter 1 – User authentication: Robust authentication. Authentication using digital signatures. Chapter 1 – User authentication: Security analysis	X			Previous reading. Analysis of proposed texts	1,5	5
2	4	Chapter 1 – User authentication: Authentication architectures. Kerberos.	X			Previous reading. Analysis of proposed texts Conclusions of discussions in class.	1,5	

3	5	Chapter 2 – Biometrics: Definitions and working principles	X			Previous reading. Analysis of proposed texts	1,5	5	
3	6	Chapter 2 – Biometrics: Biometric modalities	X			Previous reading. Analysis of proposed texts	1,5		
4	7	Chapter 2 – Biometrics: Biometric modalities	X			Previous reading. Analysis of proposed texts	1,5	5	
4	8	Chapter 2 – Biometrics: Security, Privacy and Practical issues	X			Previous reading. Analysis of proposed texts Conclusions of discussions in class.	1,5		
5	9	Chapter 3 – Identity Management: Life cycle of the digital identity	X			Previous reading. Analysis of proposed texts	1,5	5	
5	10	Chapter 3 – Identity Management: Identity management in distributed systems	X			Previous reading. Analysis of proposed texts	1,5		
6	11	Chapter 3 – Identity Management: Identity management in distributed systems	X			Previous reading. Analysis of proposed texts	1,5	5	
6	12	Chapter 3 – Identity Management: Standards and federated systems	X			Previous reading. Analysis of proposed texts Conclusions of discussions in class.	1,5		
7	13	Chapter 4 – Ethics and legislation related to privacy: Standards and Legislation	X			Previous reading. Analysis of proposed texts	1,5	5	
7	14	Chapter 4 – Ethics and legislation related to privacy: Data protection law and its reglament	X			Previous reading. Analysis of proposed texts Conclusions of discussions in class.	1,5		
<sup>1</sup> A maximum of 1-2 lab sessions							<b>Subtotal 1</b>	<b>21</b>	<b>34</b>
<b>Total 1</b> ( <i>Hours of class plus student homework hours between weeks 1-7</i> )									<b>55</b>

1-7		Tutorials, handing in, etc						10	
8		Assessment						3	7
<b>Subtotal 2</b>								<b>3</b>	<b>17</b>
<b>Total 2</b> ( <i>Hours of class plus student homework hours at week 8</i> )									<b>20</b>

<b>TOTAL</b> ( <i>Total 1 + Total 2</i> )									<b>75</b>
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