



<b>SUBJECT: Protocols for Data Transport for IoT</b>		
<b>MASTER DEGREE: MASTER IN INTERNET OF THINGS: APPLIED TECHNOLOGIES</b>	<b>ECTS: 3</b>	<b>QUARTER: 1</b>

<b>TIMETABLE FOR THE SUBJECT</b>								
<b>WEEK</b>	<b>SESSION</b>	<b>DESCRIPTION OF EACH SESSION</b>	<b>GROUP (X mark)</b>		<b>Indicate if a different lecture room is needed (computer, audiovisual, etc.)</b>	<b>HOMEWORK PER WEEK</b>		
			<b>1</b>	<b>2</b>		<b>DESCRIPTION</b>	<b>ATTENDING HOURS</b>	<b>HOMEWORK Max. 7H/WEEK</b>
1	1	Introduction.				Read the material and the references provided	1,5	3,5
2	2	Application layer protocols: HTTP (part I)				Read the material and the references provided	1,5	3,5
3	3	Application layer protocols: HTTP (part II)				Read the material and the references provided	1,5	3,5
4	4	HTTP Lab			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
5	5	Application layer protocols: CoAP				Read the material and the references provided	1,5	3,5



6	6	CoAP lab			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
7	7	Application layer protocols: MQTT / MQTT-SN				Read the material and the references provided	1,5	3,5
8	8	MQTT lab			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
9	9	Discovery layer: DNS-SD / mDNS, CoAP Resource Discovery				Read the material and the references provided	1,5	3,5
10	10	Discovery lab			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
11	11	Security in IoT networks: DTLS and others				Read the material and the references provided	1,5	3,5



12	12	Introduction to Node-RED (lab)			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
13	13	Global lab practice (part I)			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
14	14	Global lab practice (part II)			computer classroom	Read the statement of the practical assignment and review what has been explained in theory	1,5	3,5
<b>TOTAL HOURS</b>							<b>21</b>	<b>49</b>