



**COURSE: Mobile Applications**

**DEGREE: Bachelor's Degree in Telematic Engineering**

**YEAR: 4º**

**TERM: 2º**

**WEEKLY PLANNING**

WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Introduction Objectives and schedule of the course. Description of the evaluation scheme. Introduction to operating systems in mobile devices.	X			NO	Read documentation in the Intranet of the course. Request lab account. Study and extend the slides of the class with information from the references.	1,66	7
1	2	Android. Introduction. Creating applications and activities.	X			NO	Study reference: <ul style="list-style-type: none"> <li>Android Developer Guide (<a href="https://developer.android.com/guide">https://developer.android.com/guide</a>) sections "Introduction", "Building Your First App", "Application Fundamentals", "App manifest file" y "Activities".</li> </ul>	1,66	

2	3	Practical assignment (presentations).		X	Lab. Dpto. Ing. Telemática	NO	Practical assignment (presentations).  Study reference: <ul style="list-style-type: none"> <li>Android Developer Guide (<a href="https://developer.android.com/guide">https://developer.android.com/guide</a>) section "User interface".</li> </ul>	1,66	7
2	4	Android. User interfaces.		X		NO		1,66	
3	5	Android. Intents, broadcast receivers, adapters, Internet.	X			NO	Study reference: <ul style="list-style-type: none"> <li>Android Developer Guide (<a href="https://developer.android.com/guide">https://developer.android.com/guide</a>) section "Intents and Intents filters".</li> </ul>	1,66	7
3	6	Practical assignments.		X	Lab. Dpto. Ing. Telemática	NO	Practical assignments.	1,66	
4	7	Android. Files, saving state and preferences. Data bases and content providers.	X			NO	Study reference: <ul style="list-style-type: none"> <li>Android Developer Guide (<a href="https://developer.android.com/guide">https://developer.android.com/guide</a>) section "App data &amp; files".</li> </ul>	1,66	7
4	8	Practical assessments part I.		X	Lab. Dpto. Ing. Telemática	YES	Practical assessments part I.	1,66	
5	9	Android. Connectivity. Working with XML and JSON. Working in the background.	X			NO	Study reference: <ul style="list-style-type: none"> <li>Android Developer Guide (<a href="https://developer.android.com/guide">https://developer.android.com/guide</a>) sections "Connectivity", "Background tasks".</li> <li>Android Reference: JsonReader <a href="http://developer.android.com/reference/android/util/JsonReader.html">http://developer.android.com/reference/android/util/JsonReader.html</a></li> <li>Android Reference: AsyncTask <a href="http://developer.android.com/reference/android/os/AsyncTask.html">http://developer.android.com/reference/android/os/AsyncTask.html</a></li> </ul>	1,66	7
5	10	Practical assignments.		X	Lab. Dpto. Ing. Telemática	NO	Practical assignments.	1,66	

6	11	Android. Maps and location-based services	X			NO	Study reference: <ul style="list-style-type: none"> <li>Android Developer Guide (<a href="https://developer.android.com/guide">https://developer.android.com/guide</a>) sections "User location".</li> <li>Google Maps Platform Documentation (<a href="https://developers.google.com/maps/documentation/">https://developers.google.com/maps/documentation/</a>).</li> </ul>	1,66	7
6	12	Practical assignments.		X	Lab. Dpto. Ing. Telemática	NO	Practical assignments.	1,66	
7	13	Practical assignments.		X	Lab. Dpto. Ing. Telemática	NO	Practical assignments.	1,66	7
7	14	Practical assessment part II.		X	Lab. Dpto. Ing. Telemática	YES	Practical assessment part II.	1,66	
<b>Subtotal 1</b>								<b>23,33</b>	<b>49</b>
<b>Total 1 (Hours of class plus student homework hours between weeks 1-7)</b>								<b>72,33</b>	
15		Tutorials, handing in, etc						7	
16		Assessment						3	7
17									
18									
<b>Subtotal 2</b>								<b>3</b>	<b>14</b>
<b>Total 2 (Hours of class plus student homework hours between weeks 8-11)</b>								<b>17</b>	
<b>TOTAL (Total 1 + Total 2. <i>Maximum 90 horas</i>)</b>								<b>89,33</b>	