

<b>Study program:</b> Informatics			
<b>Course title:</b> Mobile Application Development			
<b>Professor/assistant:</b> Srđan V. Atanasijević			
<b>Type of course:</b> Compulsory			
<b>ECTS credits:</b> 7			
<b>Prerequisites:</b> none			
<b>Aims of the course:</b> The students master the concepts and principles of mobile application development for Android platform.			
<b>Learning outcomes:</b> Students are able to develop Android applications of medium complexity and understand the advanced methods and techniques for developing mobile applications.			
<b>Syllabus:</b> <i>Theoretical part:</i> An introduction to a mobile application development. Tools and technologies for mobile application development. Creating an Android virtual device for application testing. Activities, fragments, purposes. Android GUI – elements and development. Aspects. Work with pictures and menus. Data saving – preferences, files, databases. Content providers. Messaging. Location servers. Networking. Development of Android services. Publishing applications on the Google market. <i>Practical part:</i> Every teaching unit is followed by specific examples of applications which are created during practical training. Every example will be tested on a mobile phone or Android visual device.			
<b>Literature:</b> 1. Wei-Meng Lee, Android 4 – razvoj aplikacija, Kombib, 2012 – preporučena literatura. 2. James Talbot, Programiranje Android aplikacija: Praktični priručnik za izradu aplikacija, Računarski fakultet: CET, 2014. 3. <a href="http://developer.android.com/develop/index.html">http://developer.android.com/develop/index.html</a> 4. <a href="http://www.tutorialspoint.com/android/">http://www.tutorialspoint.com/android/</a>			
<b>Total number of active classes: 90</b>		<b>Lectures: 45</b>	<b>Practical classes: 45</b>
<b>Teaching methods:</b> Lectures, auditory and practical classes.			
<b>Grading system</b> (maximum 100 points) grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.			
<b>Pre-exam obligations:</b>	<b>Points:</b>	<b>Final exam:</b>	<b>Points:</b>
Activity during theoretical lectures	max 5	Written exam	50
Practical training	max 5		
Written test(s)	max 20		
Term paper	max 20		
Minimum requirement for the final exam	30		