Course Unit Descriptor

Study Programme: Information Systems Engineering	
Course Unit Title: Mobile information technologies	
Course Unit Code: IZOO52	
Name of Lecturer(s): Sladojević Srđan, Arsenović Marko, Lukač Željko	
Type and Level of Studies: bachelor	
Course Status (compulsory/elective): compulsory	
Semester (winter/ summer): winter	
Language of instruction: english	
Mode of course unit delivery (face-to-face/distance learning): face-to-face	
Number of ECTS Allocated: 5	
Prerequisites: none	

Course Aims:.

Within this course, students will acquire skills and knowledge necessary for developing and maintaining applications

for mobile devices based on Android platform. Special focus will be put on topics concerning software engineering

(software architecture and software development process).

Learning Outcomes:
Upon completion of this course, students will have skills and knowledge to efficiently leverage Android platform for mobile applications development. Some of the limitations and benefits pertinent to Android platform will be presented to students, and they will gain hands-on experience with Android SDK through a specialized IDE.

Syllabus.
Within the course, the following topics will be covered: Role of mobile devices in IT, Advantages and shortcomings of different types of mobile devices, Software development for mobile devices, Android platform, Java for Android, Working with data, Searching and using content providers, The future of Android applications.

Required Reading:
Relevant literature in English, tbd

Weekly Contact Hours:2	**Lectures: 2**	**Practical work: 0**

Teaching Methods:
Within classes, students will be introduced to theoretical background needed to get a firm grasp of principles of software development for mobile applications. Within lab exercises, students will be developing their own applications which will be presented as a part of final exam.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Attendance			
Computer exercises			
Tests (4x)			