**Mobile device programming (ECTS credits: 6)**

Language: the course is offered in Serbian and Hungarian.

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**Course description:**

The topics discussed in this course revolve around creating native Android applications. During the class, students are introduced to the Android operating system, Android Studio development environment. The covered topics include designing user interface with layout managers, using multiple activities, debugging, asynchronous communication, application using multimedia elements, using geolocation, and also using sensors, deploying application.

**Aims:**

The goals of this course are: the students will be able to develop an application for Android operating system, develop an interface suitable for mobile devices, create applications taking into account the limitations of the mobile devices. By successfully completing this course, as a learning outcome, the students should be able to develop an application which communicates with the server.