



COURSE: Mobile Programming

ACADEMIC YEAR: 2018-2019

TYPE OF EDUCATIONAL ACTIVITY: Characterizing

TEACHER: Giansalvatore Mecca, Donatello Santoro

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Language: Italian

ECTS: 6

n. of hours: 48

Campus: Potenza

Semester: II

Dept.: DiMIE

Program: Ingegneria Informatica e delle
Tecnologie dell'Informazione

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

Students may achieve the following skills and ability:

- Knowledge of the developer tools for the Android and iOS platforms
- Client-server programming techniques (network and dbms based)
- GUI programming and Model-View-Controller pattern in Android
- GUI programming and Model-View-Controller pattern in iOS
- The ability of develop and distribute a mobile application

PRE-REQUIREMENTS

The course requires a deep knowledge of the Java platform, and the ability of develop a desktop application using the MVC paradigm

SYLLABUS

- o Mobile Programming: tools for Android and iOS. GUI for Android. GUI for iOS. Activities in Android. Hierarchical MVC in iOS. Programming guidelines.
- o Client-Server Programming: developer techniques in Android and iOS

TEACHING METHODS

The course will offer 48 teaching hours.

EVALUATION METHODS

To each student will be assigned a project, that consists in the analysis and development of a mobile application for the Android or iOS platform. At the end of the work there will be a discussion over the project.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Lecture notes available on the web site of the course

INTERACTION WITH STUDENTS

Consulting hours

Prof. Giansalvatore Mecca: 12:30 – 13:30 <https://gmecca.youcanbook.me/>

Dott. Donatello Santoro: 12:30 – 13:30 <https://donatellosantoro.youcanbook.me/>

EXAMINATION SESSIONS (FORECAST)¹

- o I Session - 5 July 2019
- o II Session - 26 July 2019
- o III Session - 13 September 2019
- o IV Session - 13 December 2019
- o V Session - 7 February 2020
- o VI Session - 15 May 2020

SEMINARS BY EXTERNAL EXPERTS YES NO

¹ Subject to possible changes: check the web site of the Teacher or the Department/School for updates.