



Programme of Course "Applicazioni per Dispositivi Mobili"

- Code: F1081
- Type of course unit: Elective (Bachelor Degree in Computer Science curriculum General), Elective (Master Degree in Computer Science curriculum General)
- Level of course unit: Undergraduate Degrees, Postgraduate Degrees
- Semester: 2

Number of ects credits: (Master Degree in Computer Science) 6 (workload 150 hours), (Bachelor Degree in Computer Science) 6 (workload 150 hours)

Teachers: Amleto Di Salle (amleto.disalle@univaq.it)

1	Course objectives	The focus of Mobile Applications Development is on understanding the mobile applications development problem space, how to effectively design a business-ready mobile app, and how to correctly implement it. The course is intended to cover the following topics: - Understanding of the mobile ecosystem, platforms and strategies - Mobile information architecture and UI Design - Web technologies for mobile app development (HTML5, CSS3) - Javascript and TypeScript - REST Architecture - Cordova - Angular - Ionic
2	Course content and learning outcomes (dublin descriptors)	Topics of the module include: <ul style="list-style-type: none"> • Mobile Computing: Introduction • Mobile information architecture and UI Design • Web technologies for mobile app development (HTML5, CSS3, etc.) • Data management (local data storage, REST APIs) • Javascript language • TypeScript language • Cordova framework • Angular framework • Ionic framework by examples
3	Course prerequisites	The course does not impose any specific prerequisites on programming or design . The only requirement is a basic knowledge of Javascript and W3C web standards like HTML and CSS.
4	Teaching methods and language	Language: Italian
5	Assessment methods	Final Project to be agreed with the teacher