



## Mobile Development

**Prerequisite** : Java and JEE

**Level** : Intermediate

**Teacher coordinator** : Gilles Carpentier

**Course organization** : lectures 24 hrs, tutorials and project : 18 hrs

**Evaluation** : 2 written exams and 1 project

### Context

Services for mobiles have some design, development and deployment constraints.

### Goals

#### **Skills**

A student should be able to design, develop and deploy a service for mobiles including:

- the mobile application (Android apk for example)
- the service (on top of JEE on a server or on the cloud)

### **Course organization**

- Introduction to the dedicated services for mobiles (1 lecture) :
  - what is mobile technology : everywhere and anytime
  - services by activity field (transports, health, trade, ...)
- Handsets capabilities and market overview (3 lectures)
- Android development basics (4 lectures)
- Android tutorials (2 lectures)
- project

### Bibliography

Lecture slides, links, different materials stored on Moodle.