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Enseignants

Distributed and mobile computing

Course level: Master M2

Track(s): CPS2, DSC

ECTS Credits: 3

Course instructors: contact : Frederique Laforest

Education period: 3rd semester **Language of instruction:** English/ French

Expected prior-knowledge: Object-oriented programming (java), Unix shell, Javascript a plus

Aim and learning outcomes: Know client-serveur development architectures, know how to develop a J2E application. Know how to design and develop an application running on a mobile phone.

Keywords: EJB, J2E, middleware, Java persistence, Javascript, HTML5, mobile development

Syllabus:

1. Server-side basic components
2. Objects life cycle
3. Enterprise Java Beans
4. Introduction to mobile applications development
5. Web technologies and web standards (javascript, HTML5)
6. Native and hybrid technologies (iOs, Android, Titanium)

Organisation and timetable: Lectures (14h), tutorials (6h) and lab sessions (5h).

Form(s) of Assessment: written exam + lab works

Literature and study materials:

Additional information/Contacts: frederique.laforest@telecom-st-etienne.Fr