Virtual Exchange Program

Mobile devices programming

Start date: 10/02/2020, **End date:** 30/05/2020
Platform: personal webpage

Sorbonne University

COURSE SYNOPSIS

Domain: Engineering

Title(s) of the course(s) as it appears on the platform: Mobile devices programming

Language (ISO-639-1 code): en

Short description of the course: This course aims at providing the major concepts of mobile device programming. It focuse on both iOS and Android and presents : the principles, the involved languages (when new) and the use of dedicated sensors.

Instructor(s): Fabrice Kordon and Etienne Renault

Level: MA2

ECTS: 6.0

Workload in student hours: 150

Semester: 1: jan-june

Full course description: The objective of this course is to address the programming of mobile devices and show the possibilities they offer for developing new usages and applications. The course focuses on iOS first to illustrate the main challenges of such programming. Then, it shows how these mechanisms are implemented in Android (what is common and the different concepts). This course also puts some emphasis on practice by proposing each week, to apply the presented concepts by means of the development of mobile applications.

Prerequisites: -

Link to course on platform: https://pagesperso.lip6.fr/Fabrice.Kordon/5I452-2018/index.php?LANG=-EN, -

Link to course in University studyplan: http://www.telesciences.upmc.fr/fr/european-virtual-exchange/spocs-available-at-sorbonne-university.html

Course registration opening date: 06/01/2020

Course registration deadline: 17/02/2020

Course withdraw date: -

Midterm: -

Midterm details: -

Exam period start: 11/06/2019

Exam period end: 18/06/2019

Exam date: -

Exam timing: Synchronous (exam needs to take place at the same date and time everywhere)

Exam start time: -

Exam end time: -

Time zone (at the time of the exam, DST): UTC

Exam registration date: -

Exam resit available: Yes

Exam resit period start: 01/09/2019

Exam resit period end: 15/09/2019

Exam resit date: -

Exam resit time start: -

Exam resit time end: -

Time zone (at the time of the resit of the exam, DST): UTC

Final exam type: on computer

Final exam details: -

Exam requirements for home university (computer, VOIP, recording materials): computer

Cap (maximum number of exchange students): 30

Offered to which partenrs: -, All partners of the Alliance(s) selected above

Link to course image: https://drive.google.com/open?id=1h9vpVY_LdtdY7ccJFK8STFvzYJGPnslk