lingi2146

2019

Mobile and Embedded Computing

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

5 credits	30.0 h + 15.0 h	Q2

Teacher(s)	Sadre Ramin ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	• Cellular networks • Internet of Things (IoT) and wireless sensor networks (WSN) • Mobile and embedded applications • Operating systems for IoT and WSN devices • Network protocols for WSN
Aims	Given the learning outcomes of the "Master in Computer Science and Engineering" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes: • INFO1.1-3 • INFO2.4-5 • INFO5.2-5 • INFO6.1, INFO6.3 Given the learning outcomes of the "Master [120] in Computer Science" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes: 1 • SINF1.M1 • SINF2.4-5 • SINF5.2-5 • SINF6.1, SINF6.3 Students completing this course successfully will be able to • Explain how in mobile cellular and sensor networks operate • Describe the key problems that affect these environments and identify their impact on the mobile and embedded systems • Integrate and combine the above concepts in order to solve complex mobile computing problems. - - - - *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** • Project (40% of the final mark) • Final exam (60% of the final mark)
Other infos	Background: • LSINF1252 • LINGI1341
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Data Science Engineering	DATE2M	5		
Master [120] in Computer Science and Engineering	INFO2M	5		
Master [120] in Computer Science	SINF2M	5		
Master [120] in Electrical Engineering	ELEC2M	5		
Master [120] in Data Science: Information Technology	DATI2M	5		