





5 credits

30.0 h + 15.0 h

Q2

Teacher(s)	Sadre Ramin ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> <li>• Cellular networks</li> <li>• Internet of things and sensor networks</li> <li>• Mobile and embedded applications</li> </ul>
Aims	<p>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:</p> <ul style="list-style-type: none"> <li>• INFO1.1-3</li> <li>• INFO2.4-5</li> <li>• INFO5.2-5</li> <li>• INFO6.1, INFO6.3</li> </ul> <p>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:</p> <p>1</p> <ul style="list-style-type: none"> <li>• SIN1.M1</li> <li>• SIN2.4-5</li> <li>• SIN5.2-5</li> <li>• SIN6.1, SIN6.3</li> </ul> <p>Students completing this course successfully will be able to</p> <ul style="list-style-type: none"> <li>• Explain how in mobile cellular and sensor networks operate</li> <li>• Describe the key problems that affect these environments and identify their impact on the mobile and embedded systems</li> <li>• Integrate and combine the above concepts in order to solve complex mobile computing problems.</li> </ul> <p>-----</p> <p><i>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".</i></p>
Evaluation methods	Evaluation methods: - Project (40% of the final mark) - Final exam (60% of the final mark) The project work is mandatory and cannot be repeated for the second examination session.
Other infos	Background: <ul style="list-style-type: none"> <li>• LSINF1252</li> <li>• LING11341</li> </ul>
Faculty or entity in charge	INFO

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Data Science Engineering	<a href="#">DATE2M</a>	5		
Master [120] in Computer Science and Engineering	<a href="#">INFO2M</a>	5		
Master [120] in Electrical Engineering	<a href="#">ELEC2M</a>	5		
Master [120] in Computer Science	<a href="#">SINF2M</a>	5		
Master [120] in data Science: Information technology	<a href="#">DATI2M</a>	5		