



5.00 credits

30.0 h + 15.0 h

Q1

Teacher(s)	Dricot Lionel ;
Language :	English
Place of the course	Louvain-la-Neuve
Prerequisites	Corequis : LINGI2255
Main themes	<p>Introducing the Open Source approach comparing it systematically to the owner approach in the context of choosing an application; analyze interest to contribute to open source software development, if this approach is selected.</p> <p>Analysis and implementation of an Open Source approach for the development of an application; opportunity to distribute a solution in an Open Source application, eg with a valorization or image target.</p> <p>Open Source approach for internal developments</p> <ul style="list-style-type: none"> <li>• Objectives of an open source approach</li> <li>• Advantages and difficulties of this approach</li> <li>• Practical implementation</li> </ul> <p>Development of Open Source Products</p> <ul style="list-style-type: none"> <li>• Objectives of an open source approach</li> <li>• Integration and management of an Open Source community</li> <li>• Copyright and open source license choice</li> <li>• Valuation Method and economic model</li> <li>• Practical implementation</li> </ul>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <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>• INFO1.2</li> <li>• INFO6</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> <ul style="list-style-type: none"> <li>• SINF6</li> </ul> <p>Students completing successfully this course will be able to :</p> <p>1</p> <ul style="list-style-type: none"> <li>• Understand and explain the advantages and disadvantages of Open Source approach of internal software development</li> <li>• Formulate a position between opensource and owner approach for the development of a given application in an organization</li> <li>• Justify the choice of an open source approach of software development within an organization</li> <li>• Justify the choice of an owner approach compared to an open source one;</li> <li>• Organize a development according to an open source approach</li> <li>• Plan the progress to reach the objectives in a coherent way</li> <li>• Understand and explain the advantages, disadvantages and economic models related to a distribution of open source software</li> <li>• Justify the choice of a distribution of open source software developed</li> <li>• Organize a collaborative Open Source development</li> <li>• Justify the choice of a contributory approach in software development</li> </ul>
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Computer Science and Engineering	INFO2M	5		
Master [60] in Computer Science	SINF2M1	5		
Master [120] in Computer Science	SINF2M	5		