lingi2401 2019	Open Source strategy for software development

UCLouvain

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	Q1

Teacher(s)	Dricot Lionel ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	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. Analysis and implementation of an Open Source approach for the development of an application; opportunity to distribue a solution in an Open Source application, eg with a valorization or image target. Open Source approach for internal developments ' Objectives of an open source approach ' Advantages and difficulties of this approach ' Practical implementation Development of Open Source Products ' Objectives of an open source approach ' Integration and management of an Open Source community ' Copyright and open source license choice ' Valuation Method and economic model ' Practical implementation
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: • INFO1.2 • INFO6 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: • SINF6 Students completing successfully this course will be able to : 1 • Understand and explain the advantages and disadvantages of Open Source approach of internal software development • Formulate a position between opensource and owner approach for the development of a given application in an organization • Justify the choice of an open source approach of software development within an organization • Justify the choice of an owner approach compared to an open source one; • Organize a development according to an open source approach • Plan the progress to reach the objectives in a coherent way • Understand and explain the advantages, disadvantages and economic models related to a distribution of open source software • Justify the choice of a distribution of open source software developed • Organize a collaborative Open Source development • Justify the choice of a contributory approach in software development - - - - *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".*
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Computer Science and Engineering	INFO2M	5		🔍
Master [60] in Computer Science	SINF2M1	5		🔍
Master [120] in Computer Science	SINF2M	5		🔍