

5.0 credits

30.0 h + 30.0 h

2q

Teacher(s) :	Mens Kim ;
Language :	Français
Place of the course	Louvain-la-Neuve
Prerequisites :	Having followed either FSAB1401 (for INFO students) or the courses LSINF1160 + LSINF1161 (for SINF students) or equivalent courses.
Main themes :	In order to allow the students to acquire the skills above, in this course the following topics will be addressed: ' Design of object-oriented programs ; ' Development (analysis, design, implementation, testing and documentation) of Java programs of medium size and complexity ; ' Introduction to data models, for example the relational model; ' Software development methodologies.
Aims :	At the outcome of this course, students will be able to: ' Rigorously model computer science problems; ' Design and implement programs of medium size and complexity in an object-oriented language; ' Understand the essential concepts underlying database management systems; ' Correctly use appropriate tools and methodologies to facilitate the design and development of programs and to manage database systems <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>
Content :	In order to allow the students to acquire the skills above, in this course the following topics will be addressed: ' Design of object-oriented programs ; ' Development (analysis, design, implementation, testing and documentation) of Java programs of medium size and complexity ; ' Introduction to data models, for example the relational model; ' Software development methodologies.
Cycle and year of study :	<a href="#">&gt; Master [120] in Information and Communication Science and Technology</a> <a href="#">&gt; Master [120] in Linguistics</a> <a href="#">&gt; Bachelor in Engineering</a> <a href="#">&gt; Bachelor in Computer Science</a> <a href="#">&gt; Bachelor in Engineering : Architecture</a> <a href="#">&gt; Bachelor in Economics and Management</a> <a href="#">&gt; Bachelor in Mathematics</a> <a href="#">&gt; Master [120] in Environmental Bioengineering</a> <a href="#">&gt; Master [120] in Forests and Natural Areas Engineering</a> <a href="#">&gt; Master [120] in Chemistry and Bio-industries</a> <a href="#">&gt; Master [120] in Agricultural Bioengineering</a>
Faculty or entity in charge:	INFO