




5 credits	30.0 h + 30.0 h	Q2
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This learning unit is not being organized during this academic year.

Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<p>This course assumes that the student already masters the basic programming skills covered by courses LINFO1101 or LEPL1401 and concepts on algorithmics, simple data structures and Java programming covered by course LEPL1402.</p> <p><i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i></p>
Main themes	<ul style="list-style-type: none"> • Introduction to databases and data modeling; • Object-oriented program design; • Methodological assistance for program development; • Realization (analysis, design, implementation, tests and documentation) of Java programs (Android) of medium complexity.
Aims	<p>Given the learning outcomes of the "Bachelor in Engineering" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes:</p> <ul style="list-style-type: none"> • AA1.1, AA1.2 • AA2.1-7 • AA3.1-3 • AA4.1-5 • AA5.1 <p>Given the learning outcomes of the "Bachelor 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"> • S1.I5, S1.I6 • S2.1-4 • S4.2-3 • S5.2-6 <p>Students completing successfully this course will be able to</p> <ul style="list-style-type: none"> • rigorously model a software system (its data, structure and behaviour); • design and implement a program of medium size and complexity in an object-oriented language; • explain the essential concepts underlying database management systems; • correctly use appropriate tools and methodologies to facilitate the design and development of programs and to manage a database. <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>
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Computer Science	SINF1BA	5	LINFO1101	
Bachelor in Engineering	FSA1BA	5	LEPL1401	
Minor in Computer Sciences	LINFO100I	5		
	LSTIC100P	5		