



5.00 credits

30.0 h + 30.0 h

Q2

Teacher(s)	Cappart Quentin ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	The assessment consists of three parts: <ul style="list-style-type: none"> • Individual final exam (60%) • Assignment 1 (10%): Exercises related to numerical representation • Assignment 2 (15%): Exercises related to SQL language • Assignment 3 (15%): Programming exercises with databases.
Teaching methods	The course combines lectures, supervised exercise sessions, group work and individual work.
Content	The course consists of two major modules. <ol style="list-style-type: none"> 1) The basic principles of digital information representation (encoding types, existing formats, structured data, etc.) 2) The general functioning of relational databases (SQL language, database management systems, database programming, etc.)
Inline resources	Moodle course page (https://moodle.uclouvain.be/course/view.php?id=10452)
Bibliography	Le cours ne dépend d'aucun ouvrage payant mais utilise plusieurs ressources à licences ouvertes disponibles en ligne.
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Data Science : Statistic	DATS2M	5		
Bachelor in Computer Science	SINF1BA	5		
Minor in Computer Sciences	MINSINF	5		