

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

5 credits	30.0 h	Q1
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Teacher(s)	Jourquin Bart ;
Language :	French
Place of the course	Mons
Main themes	<p>Advanced aspects of databases</p> <ul style="list-style-type: none"> • SQL3 • Transactional and concurrent data access • Data security, integrity and recovery after failure • Management of heterogeneous data <p>Integrated management systems</p> <ul style="list-style-type: none"> • Methodology of adjustment to business needs • Systems integration • Systems architecture • Expected costs and benefits
Aims	<p>1 On completion of this course, students will be able to administer a database in a company. Students will be introduced to the issue of integrated enterprise resource planning (ERP).</p> <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>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <ul style="list-style-type: none"> • Written exam during the mid-term week (50%) • Oral presentation of a case during the classes (40%) • Oral discussion (during the classes) of a case presented by another student (10%)
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <ul style="list-style-type: none"> • Lectures (in class or via Teams) • Readings • Case studies (personal work)
Bibliography	<ul style="list-style-type: none"> • ELMASRI R., NAVATHE S. (2007), Fundamentals of Database systems, 5th Ed., Addison-Wesley. • MOTIWALLA L., THOMPSON J. (2009), Enterprise Systems for Management, Pearson Education. • SUMNER M. (2005), Enterprise Resource Planning, Pearson Education.
Faculty or entity in charge	CLSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] : Business Engineering	INGM2M	5		