# MQANT2122

*2013-2014*

# Integrated Information Systems

| 5.0 credits | 30.0 h | 2q |
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| Teacher(s) : | Fouss François ; |
| Language : | Français |
| Place of the course | Mons |
| Main themes : | Advanced aspects of databases<br>--<br>SQL3<br>--<br>Transactional and concurrent data access<br>--<br>Data security, integrity and recovery after failure<br>--<br>Management of heterogeneous data<br>Integrated management systems<br>--<br>Methodology of adjustment to business needs<br>--<br>Systems integration<br>--<br>Systems architecture<br>--<br>Expected costs and benefits |
| Aims : | 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).<br>*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".* |
| Evaluation methods : | --<br>Written examination<br>--<br>Defence of the solution to a case |
| Teaching methods : | --<br>Lectures<br>--<br>Reading<br>--<br>Case studies |
| Bibliography : | --<br>ELMASRI R., NAVATHE S. (2007), Fundamentals of Database Systems, 5th Ed., Addison-Wesley.<br>--<br>MOTIWALLA L., THOMPSON J. (2009), Enterprise Systems for Management, Pearson Education.<br>--<br>SUMNER M. (2005), Enterprise Resource Planning, Pearson Education. |
| Cycle and year of study : | > Master [120] in Business Engineering |
| Faculty or entity in charge: | BLSM |