

Erasmus Mundus
master course in
**Data Mining and
Knowledge Management**
a european master

Tuition fees

4000 € per year for EU students
8000 € per year for other students

At the end of the course, graduated students will be
awarded a double degree

Main dates *(see web site for details)*

January 2010

Limit for application for scholarship for non EU
students and scholars

April 2010

Limit for application for scholarship for EU students

June 2010

Limit for application for **Erasmus Mundus Master
Course in Data Mining and Knowledge Management**

September 2010

Master Course begin : 2 years duration

Contact

EMMC-DMKM

DEPARTEMENT D'INFORMATIQUE ET
STATISTIQUE FACULTÉ DE SCIENCES
ECONOMIQUES ET DE GESTION

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www.em-dmkm.eu



COORDINATING UNIVERSITY

UNIVERSITÉ
LUMIÈRE
LYON 2
UNIVERSITÉ DE LYON
University of Lyon
"Lumière Lyon 2" (ULY2, France)

PARTICIPATING UNIVERSITIES



Polytech Nantes
Polytechnic Graduate School of
Nantes University (EPUN, France)



University of Piemonte Orientale
"Amedeo Avogadro" (UPO, Italy)



Technical University of Catalonia
(UPC, Spain)



University of Pierre & Marie Curie
Paris (UP6, France)



University Politehnica of Bucharest
(UPB, Romania)

SUPPORTING INSTITUTIONS & ENTERPRISES

Saad Dahlab University of Blida, Algeria
University of Ottawa, Canada
University of Regina, Canada
South China University of Technology, China
Hokkaido University, Japan
University of Veracruz, Mexico
National School of Mineral Industry, Rabat Morocco
University of Geneva, Switzerland
University of Tunis El Manar, Tunisia
Kharkiv National University of Economics, Ukraine
George Mason University, USA
University of Oklahoma, USA
Rensselaer Polytechnic Institute, USA
Tashkent State Technical University, Uzbekistan
Central University of Venezuela, Caracas, Venezuela
University of Can Tho, Vietnam

IRF – Information retrieval Facility Institute,
Vienna, Austria
MATRIXWARE Information Services GmbH,
Vienna, Austria
ARDANS SAS, France
Cappemini Ouest, France
Exalead, Paris, France
KXEN, France
Pertimm, France
REDENE-KM, France
SP2 Solutions, France
SC ADOBE Systems, Romania
AIS – Artificial intelligence Applications,
Barcelona, Spain
Yahoo! Inc. Spain

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**Excellence in ★
High Education**



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Courses in
France, Italy, Romania,
and Spain

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The primary social and economic value of modern societies is **knowledge**.

For this reason, mastery of technologies able to extract dormant knowledge from information, recorded in Datawarehouses or the Web, is indispensable for a sustainable development of both the individual and the society. **Data Mining and Knowledge Management (DMKM)** has become essential for improving the competitiveness of businesses and increasing access to knowledge. However, **DMKM** has still to face major scientific and technological challenges. The **EMMC** degree in **DMKM** offers specialist training in this field.

The consortium is composed of six universities in four countries:

France

- University Pierre et Marie Curie - Paris 6
- University Lumière Lyon 2
- Polytech’Nantes - Polytechnic Graduate School of Nantes University

Romania

- University “Politehnica” of Bucharest

Italy

- University of Eastern Piedmont “Amedeo Avogadro”

Spain

- Technical University of Catalonia - Barcelona Tech

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The Master in **DMKM** is based on experience in multi-site teaching gained from the **Master degree in Knowledge Extraction from Data**, which has been running since 1999 within three members of the consortium, and is taught by established scientist in the field.

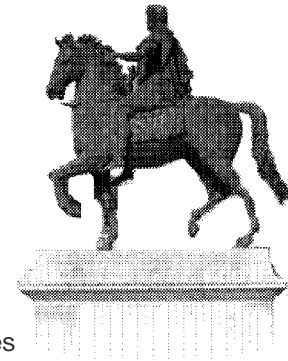
The Master in **DMKM** is aimed at students from all over the world. Candidates must have a Bachelor degree (or equivalent) in the fields of Computer Science, Mathematics or Statistics, as well as a good level of English (TOEFL 550 or equivalent).

Admission is granted on the basis of a unique and pre-established selection procedure.

Classes are taught in English and the whole course is composed of 18 modules of about sixty hours each.

The course runs over 4 semesters. The first semester is devoted to basic training, and includes mathematics, statistics, database technology, etc., whereas the two following ones are dedicated to acquire two specialities among six available ones:

- E-Science
- Data Mining and Complex System Modeling and



- Application in Social Sciences
 - Knowledge and Decision
 - Statistical Modeling and Data Mining
 - Semantic Web
 - Relational Data Mining

The fourth semester is devoted to the elaboration of a dissertation thesis in either a laboratory or a company.

The network of partnership agreements set with leading laboratories and major companies where students may perform internships during the last semester will offer to holders of the **EMMC** degree in **DMKM** multiple employment opportunities in high-tech industry, business intelligence companies, banking & finance, or research and academic environments.

Language classes will also be provided to ensure that students integrate as well as possible in socio-cultural environment of the host country. Each student must spend 6 to 12 months in at least two of the 4 countries. Students that have obtained 120 ECTS will automatically obtain national Master degrees from the countries in which they have studied.

Students can benefit, on their site of residence, from support in the form of tutoring for each course. Some scholarships will be available for European and non European students selected on their academical profile, their motivations and their personal project.