

# Research in Business Informatics and European M.Sc. in Business Informatics

A new research opportunity at DCU School of Computing



## European M.Sc. in Business Informatics

- Equips computer science graduates with an in-depth understanding of the **business applications of information and communications technology (ICT)**, and how it interacts with business strategy, both within an Irish and a European context.
- Applications are encouraged from **both Irish and overseas** graduates, thereby seeking a strong intercultural mix in the student body.
- Designed to be completed in **one calendar year** of full-time study.
- Includes a **practicum** consisting of a research project or work experience in a **European country**, which is supervised by academics in the local university.
- Over the first two semesters, students take a set of **interdisciplinary modules** which provides them with a conceptual and practical understanding of how to effectively design and implement Information Systems, and align the business processes with them for maximum value in organisations.

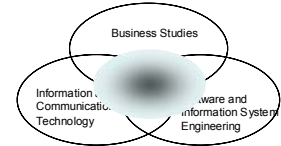


Supported by the Higher Education Authority

<b>Semester 1</b>	<ul style="list-style-type: none"> <li>● Research Skills / Seminar Topics</li> <li>● Information System Architecture</li> <li>● Structural Science</li> </ul>	<ul style="list-style-type: none"> <li>● Business Process Management</li> <li>● Strategic Management of Information Technology</li> <li>● Business Studies</li> </ul>	<b>October to December</b>
<b>Semester 2</b>	<ul style="list-style-type: none"> <li>● Supply Chain Management</li> <li>● Managing and Working in an Intercultural Environment</li> </ul>	<ul style="list-style-type: none"> <li>● Sectoral applications of Information Systems</li> <li>● Regulation in Information Systems</li> <li>● Project Management</li> <li>● Managing Change</li> </ul>	<b>February to April</b>
<b>Summer</b>	<b>Dissertation / Practicum</b>		

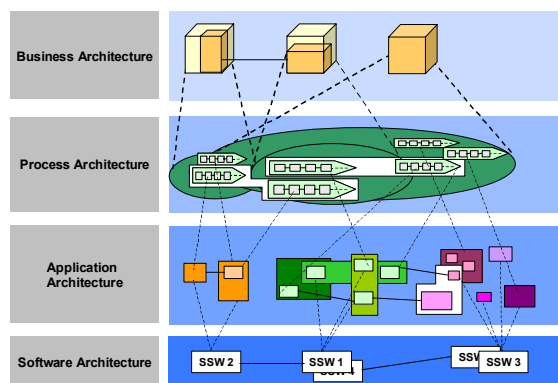
## What is Business Informatics?

Business Informatics is the Information Systems Architecture at the conjunction of **Information and Communications Technology, Software and Information System Engineering and Business Studies**.



As a discipline of science business informatics is categorised as

- applied science** that studies real world phenomena,
- formal science** that creates and applies formal description methods and models,
- engineering discipline** that *systematically* designs and constructs information and communication systems. (*Scientific Commission for Business Informatics 1994*)



## Careers in Business Informatics

- Systems analysts
- Business analysts
- IT managers
- IS architect
- Ireland
- Abroad
- Financial services firms
- Public service enterprises
- Large industrial corporations.

## The BIN-Net Project: Business Informatics Network in Common Europe



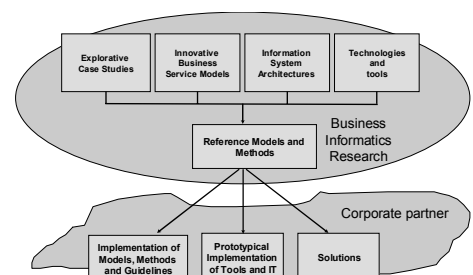
- Funded under the SOCRATES/ERASMUS Programme by the European Commission (28545-IC-1-2003-1-AT-ERASMUS-PROGUC-1)
- Project duration: **October 1, 2004 to September 30, 2007**
- The BIN-Net project is coordinated by the **University of Vienna**, Institute for Knowledge and Business Engineering;
- Partners include** Dublin City University, School of Technology of Setúbal, University of Economics Prague, University of West Hungary, Wrocław University of Economics, Gdansk University of Technology, University „Lucian Blaga” Sibiu, University Politehnica of Bucharest, Comenius University of Bratislava

**Offers a Joint-Degree Master of Business Informatics in Europe**

- Recognized by the partner institutions
- Awarding of Diploma Supplement
- With a common curricular structure
- Modular structure for better transparency and recognition abroad
- ECTS-Valuation of all courses
- Supporting teacher and student mobility
- Focus on interdisciplinary qualification in Business Informatics

## Research in Business Informatics

- Methods and Architectures for a networked economy
- Reference Models and Methods
- Business Process Management
- Supply Chain Management and Logistics
- Analytical Information Systems
- Information Quality Management
- Tool development (e.g. Patient Monitoring System)
- Information Quality Metrics and Assessment
- Cost-benefit and impact analysis
- Performance Indicators and Measurement system
- Process Simulation and Optimization
- Knowledge Management and Discovery
- Financial Service Institutions
- Healthcare Information Systems
- Logistics and multi-organisational IS
- Web environments



### Further Information and Contact:

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