M.Sc. ICT in Business

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Trends for IT Careers

- IT career opportunities are increasingly influenced due to outsourcing

- IT investment success depends on much more than technology

- IT is rapidly evolving, skills to separate fact from hype are in short supply

- Big Data is changing business models
ICTIB Philosophy

Students will discover IT-Business dependencies

• **Existing business: performance improvement**
  - Managing IT projects
  - Managing the IT department / function
  - Managing IT in the organization (IT Governance)

• **New business: developing opportunities**
  - Innovation
  - Entrepreneurship

• **Research orientation, applied to real life cases**

• **Many contacts with industry and public sector**

• **Lecturers: mix of academics & professionals**
Program Outline

Overall 2 years: 6 blocks of 7 weeks, and a 6 months thesis project.

Courses cover business fundamentals, core ICT & Business topics and electives.

Combination of (guest)lectures, case work, lab work, and student presentations. Many activities are based on team work.

A number of company visits & assignments to supplement and enrich the programme.
Programme Detail

Business Fundamentals (foundation courses)

Core courses ICT and Business (Presumes a bachelor degree Computer Science)

Electives (examples)
- Lean Six Sigma, Business Intelligence, Legal aspects of ICT, virtual organizations, and data warehousing. Courses offered by Erasmus University, Rotterdam
M.Sc. Thesis Projects

- IT architecture redesign for Citi-bank Singapore
- Mapping the ICT Security Risks in the IAAS Cloud
- Global software development India-Netherlands
  - Political Pressures and Programme Management
- Advertising in Computer Games
- Is Outsourcing Killing or Kindling Innovation?
- Benefits and Change Management
Using IT in the course

- Lecture material: slides, reading material, references, assignments (Blackboard)
- Discussions (LinkedIn, Google groups)
- Collaborative workspace (Dropbox)
- Software development tools / facilities
- Open Course Ware
Multicultural Learning Environment

- Bulgaria
- Butan
- China
- Colombia
- Germany
- Hungary
- Indonesia
- Mexico
- Romania
- The Netherlands
- The Philippines
- United Kingdom
Attitude

- Be driven
- Have Initiative
- Self-Motivation
- Find and develop your talents

2 heads think better than 1

- Learn from your peers' experience
- Network matters

Speaking Is Silver, Listening Is Gold
Business Challenges

Competition

Business

Architecture

Strictly4Business Competition
Summary

- A unique programme of business, organisational and IT courses
- An very international group of students
- Research rigor with business focus
- Strongly growing (class 2011: 31, class 2014: 45)
Synergies: The program combines all topics of an MBA management degree with a high level IT degree

Field of Expertise

- IT (SOA) Architecture
- Business Architecture
- Business IT Alignment
- IT Governance
- Innovation Management
- Change Management
- Cloud / App’s
- Social Networking
- Big Data

Job Roles

- Business - IT Consultant
- Business Architect
- Chief Information Officer (CIO)
- IT manager
- IT project manager
- IT architect
- Business Analyst
Graduates employed at:
Education

Select:
Master ICT in Business