



APPLIES TO ACADEMIC YEAR 2010/2011

ELE 3731 Information Technology in Organizations

Programme

Exchange Program

Responsible for the course

Department

Department of Leadership and Organizational Behaviour

Term

According to study plan

ECTS Credits

7,5

Language of instruction

English

Introduction

Information Technology Management is an introductory course offered to exchange students. Information technology is a key element in globalisation, innovation and collaboration. Seamless integration of local, interorganisational and global business processes is enabled by information technology. Service and product innovation is based on the use of information technology. The Internet and the world wide web have revolutionised customer service and give ground to new and innovative business models. Students will be given an opportunity to explore some of the driving forces behind these developments.

Learning outcome

Acquired knowledge

- Understand how information systems and information technology enable and facilitate business innovation and change
- Be familiar with major trends in technology development
- Be familiar with commonly used tools for communication, cooperation and coordination, and social media
- Have knowledge of elements and relationships in an information technology infrastructure
- Understand the role of technology in business processes and service delivery

Acquired skills

- Be able to describe and analyse the use of information technology within business, industry and value system levels
- Be able to develop and describe a business model
- Be able to describe an IT infrastructure
- Be able to develop and describe a requirements specification for an information system
- Be able to choose and apply feasible techniques and frameworks in assignments and communication

Reflection

The students should understand the role of information systems and information technology in organizations and society. They should also be able to reflect upon ethical issues concerning information security and privacy.

Prerequisites

Compulsory reading

Books:

Laudon, Kenneth C. and Jane P. Laudon. 2010. Management information systems : managing the digital firm. 11th ed. Upper Saddle River, N.J. : Pearson Education

Other:

Reading package of selected papers and links to other course material will be available on the course site

Recommended reading

Books:

Friedman, Thomas L.. 2009. Hot, flat, and crowded : why the world needs a green revolution - and how we can renew our global future. Release 2.0, updated and expanded [ed.]. Penguin
 Krug, Steve. 2006. Don't make me think! : a common sense approach to Web usability. 2nd ed. Berkeley, Calif. : New Riders
 Lynch , Patrick J. and Sarah Horton. 2009. Web style guide : basic design principles for creating web sites. 3rd ed. New Haven : Yale University Press. Free online-version at www.webstyleguide.com

Course outline

Topic I: The business level issues

- The role of information systems and information technology in business development and innovation
- Business models, value creation and information technology
- Business processes and information technology
- Globalisation, a flat world, and other technology driven trends

Topic II: Information systems and information technology issues

- How to describe the requirements for an information system
- Information systems development approaches
- The requirements specification
- The information resource - data and data modeling
- Business processes - process modelling
- The user interface - structure and principles

Topic III: Personal use of information technology

- Personalization, communication and knowledge sharing in a world of social media
- Blogs, wikis, social networks, twitter and other publication channels
- Information mobility

Computer-based tools

The student will use tools for content creation and publication, e.g. blogs, wiki and other social media, during the course

Learning process and workload

The course includes 27 lectural hours. In addition there will be learning activities such as group assignments, presentations and feedback.

Activity	Time est. in hours
Participation in teaching sessions	27
Preparatation to teaching sessions, reading literature	63
Work on term paper	60
Work on assignments adn essay	50
Average recommended study hours	200

Use of hours

Lectures: 27 h

Supervision and feedback, assignments and course wiki: 8

Administration of the learning process, incl. feedback: 6

Support student in course tools: 4

Total resources: 45

Examination

1. Individual written assignment (30% of final grade)

All participants shall write an essay for about 3 - 5 pages over a topic chosen from the course outline. The assignment will be handed out on the first lecture and shall be handed in at the end of term.

2. Term paper (70% of final grade)

The term paper is a student project that is handed out on the first lecture, and can be solved individually or in groups of 2-3 students. The hand-in date is set two weeks after the last teaching session.

Examination code(s)

ELE 37311 Individual assignment, counts 30% of final grade, 7.5 ECTS

ELE 37312 Term paper, 70% of final grade, 7.5 ECTS

Examination support materials

All aids are allowed.

Exam aids at written examinations are explained under exam information in our web-based Student handbook. Please note use of calculator and dictionary.
<http://www.bi.edu/studenthandbook/examaids>

Re-sit examination

A re-take is held in at the next scheduled exam in the course. Students who are taking new exam must take the course all over including all parts of evaluation.

Additional information