GRA 2352 Strategic IT Management

Program
Specialization Course

Responsible for the course
Petter Gottschalk

Department
Technology Management

Term
Winter

ECTS Credits
6

Objective

Strategic information technology management is based on the premise that it is difficult, if not impossible, to manage a modern business or public organization without at least some knowledge of the planning, use, control and benefits of information technology. Managers need to have an understanding of strategy development, including the current technology situation, the current and desired business situation, the need for changes, the application portfolio, and organizational and human resources issues in the area of information technology.

Prerequisites
None

Compulsory literature

Andersen, Erling S. and Petter Gottschalk. 2001. *Information Technology Management* . Oslo: Universitetsforlaget. (175 pages).
Gottschalk, Petter, 1998. *Content Characteristics of Formal Information Technology Strategy as Implementation Predictors* . Oslo: Tano Aschehoug (nå Universitetsforlaget).
Gottschalk, Petter, 2002. *Strategic IT Management* . Lecture Notes. Sandvika: BI Publishing.

Recommended literature

Robson, Wendy. 2001. *Strategic Management and Information Systems* . 3rd ed. London: Pitman Publ.

Course outline

Information management
Knowledge management
IT strategy
Current IT situation
Key issues in IT management
Critical success factors
Desired IT situation
Strategic use of IT
IT application portfolio
Organization and human resources
Leadership roles of the IT manager
Strategy work
Implementing the IT strategy

Computer-based tools
All administrative communication between faculty and students will be on the Web.

Course structure

The course has 30 contact hours that include lectures, student presentations, and discussions. Class participation is mandatory. The course will be scheduled in as seminars and workshops during the term.

Evaluation
Presentation (20%) Each student is to give a short lecture on a topic covered by the compulsory literature.
Research Paper (40%) Each student is individually to research an information technology strategy (IT strategy) of relevance to the course and to report back to the whole class in the form of a presentation and a research paper. The research paper must be conceptual in nature and academic in orientation, while the IT strategy must have real organizational context in local industry. The research paper should evaluate both IT strategy process and IT strategy contents of one particular business organization.
Group Project (40%). Groups of 2-3 students are to research a topic in the area of strategic information technology management. The project report should present a literature review for the area. The selected area can be linked to thesis work.

Evaluation code(s)
GRA 23521

Aids at the examination
All support material allowed

Makeup exam
Next time the course/seminar is scheduled