



Hogeschool van Amsterdam
University of Applied Sciences

MINOR ICT MANAGEMENT

30 ECTS

23 January 2012 – June 2012

CREATING TOMORROW

MINOR ICT MANAGEMENT

The ICT World is constantly changing, worldwide mergers are formed and dissolved. Companies depend on ICT more and more in order to gain a competitive edge. ICT managers have to prevent

Projects exceeding deadlines and budget

Companies from total chaos when the ICT infrastructure fails

ICT environments from becoming too complex after mergers

The ICT manager is up to date on what's is happening in companies and the ICT world, in order to be able to take the right decisions and give the right advice. You will be introduced to the issues ICT managers have to deal with, analyse the complex relation between organization and ICT and learn how to advise an organisation on the right deployment of ICT.

Start: 23 January 2012

Contact: b.rengelink@hva.nl

COURSE IN THIS MINOR: E-BUSINESS

E-Business [2 ECTS]

Aim:

E-business aims to offer students insight into the use of ICT and marketing issues, placing technology in a larger framework. As students will work in positions in which ICT contributes to the commercial activities of a company, they will have to weigh the use of technology carefully.

Place in curriculum:

E-business is a follow-up of the second-year course in Business Engineering. E-business is part of the business unit of Business Engineering.

Teaching methods:

Workshops. In each workshop a number of topics are discussed. In addition, teams of students present a topic to the group, which is assessed by their peers.

Students conclude the course by writing an article for the Automation Guide.

Course material:

Information from the workshop presentations. Additionally, students collect material in preparation of the presentations they will give and assess. Students are free to choose their own literature/material for the presentations and for writing their article.

Assessment methods:

One presentation, assessment of other presentation, and the article for the Automation Guide. Required Attendance of 80%.

Course material:

Recommended: Knowledge of the basic principles of marketing.

COURSE IN THIS MINOR: ENGLISH

All levels, writing and fluency [Writing Skills 2 ECTS, Fluency 1 ECTS | term: 1, 2, 3, 4]

The Writing Skills Courses are taught at two levels: (A2 and B1 of the common European Framework of Reference for Languages) and teach the necessary skills for writing reports, summaries, letters, manuals etc.

The Fluency Courses (A2 and B1) aim at improving the oral skills necessary in Business Communication: presentations, meetings, social talk etc.

COURSE IN THIS MINOR: GOVERNANCE AND ENTERPRISE ARCHITECTURES

[4 ECTS]

Introduction:

Why is it that investments in shares and in IT are not profitable and why do some organizations survive and others don't? The answer to these questions is often given by the way these organizations are being managed. Information management is a strategic issue. The way organizations organize their information management now and in the future will define their opportunities to survive. Companies want to have more control of their information management and want to align information management with their business objectives. Besides alignment, context and coherence are key issues in strategic information management. Governance and architecture support organizations to realize good alignment of business and IT in the enterprise context and under architecture. Good governance and architecture lead to principles, rules, regulations and standards for enterprise-wide information management.

Aim:

Knowing what governance and enterprise architecture is and why they are important.
Knowing why organizations need both governance and architecture
Knowing how to realise good governance.

Teaching methods and contents:

Lectures, workshops and game on Theory of governance and enterprise architecture Practical: Modelling with the Archimate Method.

Examination

Every student will write a report on one of the theoretical issues.
Every student will do a presentation on the importance of governance and architecture to a panel of experts.

Course material:

Compulsory:

Dynamic Enterprise Architecture: How to Make it Work, first edition, 2005 Roel Wagter, Martin van den Berg, Joost Luijpers, Marlies van Steenberg, published by John Wiley & Sons, Inc., Hoboken, New Jersey - 2005, USA ISBN 0-471-68272-1.

Literature about Archimate: www.archimate.org.

COURSE IN THIS MINOR: SERVICE ORIENTED ARCHITECTURE: SOA

[4 ECTS]

Companies are changing all the time. Their competitive edge depends on the speed at which they can change. ICT plays a role in this process. A company cannot afford to wait for a long term software development project to be finished if it wants to change anything.

Standardisation of software services is crucial when different companies like webshops, banks and credit card companies work together. There will also be a growing need for the intergration of different applications as a result of mergers and take overs.

Service orientation is an architectural model that re-uses and integrates already existing applications to realise new business processes, without having to develop new software. It makes use of software service that can be invoked in the usual way.

At the end of the course you will be able to give advice on AOA related issues. Furthermore you will be able to predict the consequences of a SOA implementation and what needs to be changed in the organisation and ICT. Finally you will be able to implement processes with the help of SOA. You have a command of XML on a basic level and are able to apply it in an XML workshop.

Teaching methods:

Workshops in which various SOA related issues are covered / presentations / practical

Course contents:

After a general introduction on SOA and its concepts, attention is paid to XML, SOAP, WSDL and the implications for SOA implementations.

Assessment methods:

All components need to be completed with a pass
practical
presentation
SOA project

Course material:

compulsory
SOA in Practice, 1st Edition, by Nicolai Josuttis
ISBN-13: 978-0-596-52955-0 available in digital library (Safari Books)

Service Oriented Architecture For Dummies By Judith Hurwitz, Carol Baroudi, Robin Bloor, Marcia Kaufman ISBN-10: 0470054352 ISBN-13: 978-0470054352

XML: Visual QuickStart Guide, Second Edition
by Kevin Howard Goldberg Print ISBN-10: 0-321-55967-3 0 available in digital library (Safari Books)

COURSE OF THIS MINOR: THE ICT MANAGER

[2 ECTS | senior lecturer: Bert Rengeling]

Aim:

The ICT manager gives students some insight in the daily activities of a manager and provides them with hands-on experience.

Place in curriculum:

This is a course in the field of Business Engineering and IT service Management.

Teaching methods:

Workshops, presentations

Course contents:

This course covers topics such as management styles, managing activities, dealing with conflicts, Human Resource management (assessment and selection). During this course, a number of real life situations are practised by students. Besides these hands-on activities some management theories are discussed (e.g. Mintzberg, Taylor). The course is based on a case in which the students take the role of the ICT manager. Although management can not be taught properly in the classroom (one has to experience it), the program will make students familiar with some of the "standard" management activities. A theoretical background will be provided. The course is specially suited for students of a technical education.

Assessment methods:

paper

PROJECTS OF THIS MINOR

[12-16 ECTS]

You will participate in a project from industry. Several options, such as SAP, will be presented on arrival.

COURSE IN THIS MINOR: SURVIVAL DUTCH

Survival Dutch 1 [ECTS see Survival Dutch 2 | term: 1 or 3]

This course teaches you the basic Dutch you need to survive as an exchange student in The Netherlands

Survival Dutch 2 [2 ECTS (provided Survival Dutch 1 + 2 have been concluded successfully) | term: 2 or 4]

This courses continues teaching you the basic Dutch you need to survive as an exchange student in The Netherlands.
Entry requirement: Survival Dutch 1.