

SEINÄJOKI/SOUTH OSTROBOTHNIA, SEINÄJOKI UNIVERSITY OF APPLIED SCIENCES, SCHOOL OF TECHNOLOGY AND MASTER DEGREES IN ICT

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Seinäjoki University of Applied Sciences
School of Engineering

www.seamk.fi

Seinäjoki

- The heart of Southern Ostrobothnia, which is a province with about 220 000 inhabitants
- The modern town with about 36 000 inhabitants (55000 in year 2009)
- Offers many cultural and outdoor activities: Seinäjoki Tango Festival (Tangomarkkinat)
- Famous about its Cultural Centre designed by world-famous architect Mr Alvar Aalto



Seinäjoki

- communications by rail, road and air
- youthful, thanks to the large number of schools and educational institutions
- a town of entrepreneurship and services



[More information \(www.seinajoki.fi\)](http://www.seinajoki.fi)



Seinäjoki University of Applied Sciences

- Run by the federation of the municipalities
- 22 undergraduate programmes and 4 postgraduate programmes (one in English)
- Four (4) faculties in Seinäjoki and four (4) in neighbouring areas
- Over 4600 full time students
- Yearly about 700 graduates
- ECTS credits are in use
- Diploma Supplement is given to all the graduates
- About 20 % of applicants are selected in annually



Location of Faculties of Seinäjoki University of Applied Sciences



**School of Agriculture and Forestry,
Ilmajoki and Ähtäri**

School of Engineering, Seinäjoki

Business School, Seinäjoki

**The Finnish School of SME Business
Administration, Kauhava**

School of Food Management, Kauhajoki

**School of Health Care and Social Work,
Seinäjoki**

**School of Culture and Design, Seinäjoki
& Jurva**



SCHOOL OF ENGINEERING

- 700+ students
- 80+ staff members
- Operates at four different sites
 - Mechanical Engineering, Information Technology, Business Information Technology, Automation Technology at Frami Building
 - Biotechnology and Food Engineering, Foodwest Building
 - Wood Technology, Construction Engineering, Automotive and Transportation Engineering
 - Wood Technology and Construction Engineering Laboratory



SCHOOL OF ENGINEERING

Degree programs

- Automation Technology
- Automotive and Transportation Engineering
- Biotechnology and Food Processing
- Business Information Technology (BBA)
- Construction Engineering
- Information Technology
- Mechanical and Production Engineering
- Wood Technology
- **Master degrees:**
- Construction Engineering
- Information System Competence

www.seamk.fi



Information Systems Management, 90 ECTS

- The background of the students is a Bachelor degree either in business or engineering and three years of work life experience in industry
- customized with the individual and SME company backgrounds of each student
- WebEx has been very reliable and easy to use- with normal difficulties of any conferencing system (like Marratech or Adobe Connect)

Topic	Type	Status	Starting Time	Status
<input type="checkbox"/> yamk kirkkos	Meeting	N/A	August 23, 2007, 11:03 am	Start
<input type="checkbox"/> yamk1	Meeting	N/A	September 1, 2007, 1:45 am	Start
<input type="checkbox"/> yamk1	Meeting	N/A	September 28, 2007, 12:00 am	Start
<input type="checkbox"/> Vaativuosten määrittely ja hallinta	Meeting	N/A	October 13, 2007, 9:00 am	Start
<input type="checkbox"/> yamk1	Meeting	N/A	October 26, 2007, 12:00 am	Start
<input type="checkbox"/> Yrityksen kansainvälistyminen	Meeting	N/A	October 26, 2007, 3:34 pm	Start
<input type="checkbox"/> Järjestelmäintegraatio	Training	0	October 27, 2007, 9:00 am	Start
<input type="checkbox"/> yamk1	Meeting	N/A	November 9, 2007, 12:00 am	Start
<input type="checkbox"/> yamk1	Meeting	N/A	December 7, 2007, 12:00 am	Start

HUT : WebEx host, <https://dipolitkk.webex.com/>

Master Degree Programme in Information Systems Competence, 90 ECTS

Master thesis 30 ECTS

AUTUMN 2007

SPRING 2008

AUTUMN 2008

Management and Development of Electronic Business 5 ECTS	Management and Definition of Requirements 5 ECTS	Modelling Techniques 5 ECTS	Software Development of Electronic Business 5 ECTS	System Integration 5 ECTS	Elective Studies 5 ECTS
Project Management 5 ECTS	Management of Information and Competence Resources 5 ECTS	Research Methods 5 ECTS	ICT Law 5 ECTS	Growth and Globalization of Companies 5 ECTS	Elective Studies 5 ECTS

25 ECTS

Information System Competence in SMEs/Organizations (Core Competence)

25 ECTS

Development Competence in SMEs/Organizations (Supporting Core Competence)

10 ECTS

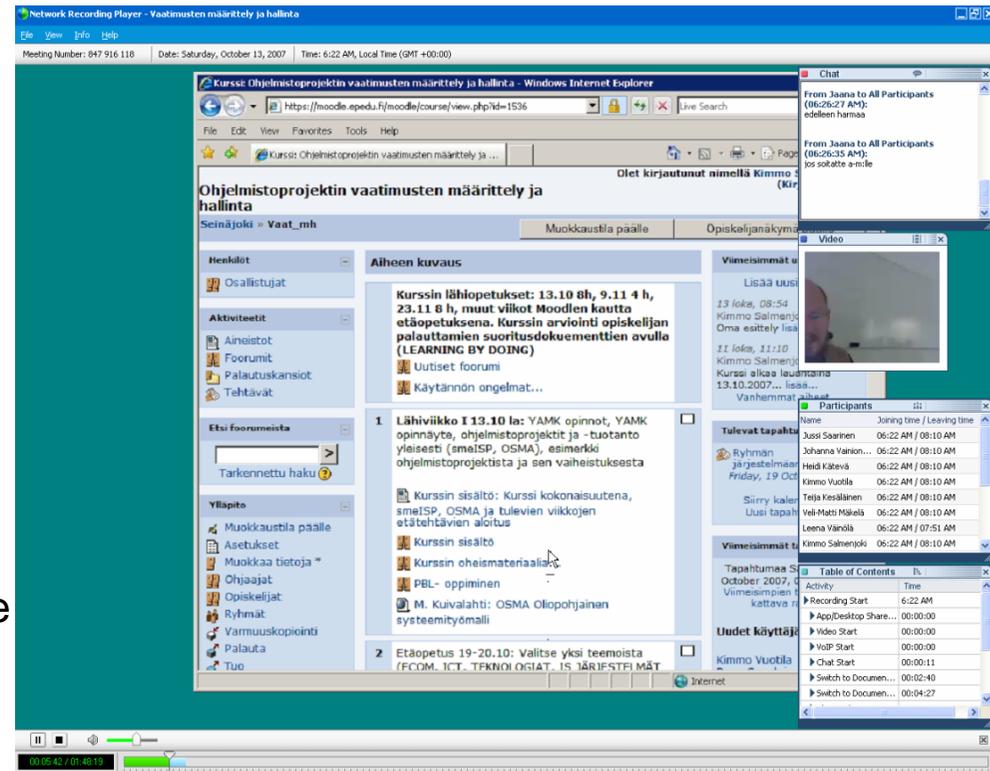
Elective studies

30 ECTS

Master Thesis

Distributed resourcing with online learning tools in TIJO degree program

- For the TIJO master degree the study groups consist typically of 12-15 students. Half of these students are online, while the other half sits in a classroom in Frami
- For the students WebEx provides the study material (in Moodle or web), whiteboard, chat, and interactive A/V view of the classroom
- Besides the virtual online learning the students are collected to 'in vivo'-meetings in Seinäjoki from time to time
- For the present 2nd year students one intensive course in Semantic web was held in FH Wuerzburg - Schweinfurt, Germany by Prof. B. Breutmann during September 2007



Conclusions

- The student's different backgrounds make the degree both difficult and interesting: difficult to coordinate and design and interesting, as the students have a strong experience in global high technology industry already
- For the multi scientific aspect, also the different groups of students having different courses could be used mutually as CASEs of PBL based study



http://ttwin.techno.uwasa.fi/bsou_portal/

More conclusions

- For the BSN/BSOU this degree provides an example of conducting shared courses (the teacher could be equally distance based as the students!) online. This should be easier to execute continuously than Intensive Program IPs
- some possible technical approaches of e-learning that would be needed to really benefit from the BSN partnerships in the future prospects of the wider BSN/BSOU/Baltic Sea International Campus BSIC networks



"Mikä ristus ny o, ku ei aharista"...

Next KMO conference in Vaasa
24-25.6.2008 (Vaasa University of
Applied Sciences)...