



GS³D Master's Degree Programme

BCBU meeting

Oulu

23.-24.2.2011

Kari Pankkonen

Status of the programme

Master's Degree Programme in Software, Systems and Services Development in Global Environment (GS³D)

- ✓ The Department of Information Processing Science at the University of Oulu organizes a two-year full-time Master's degree programme in Software, Systems and Services Development in the Global Environment (GS³D).
- ✓ Graduates from GS³D will have the competence to work as experts and managers in global ICT companies and organizations.
- ✓ The programme will provide multidisciplinary knowledge of software, systems and services development in a global context.

Graduates from the GS³D:

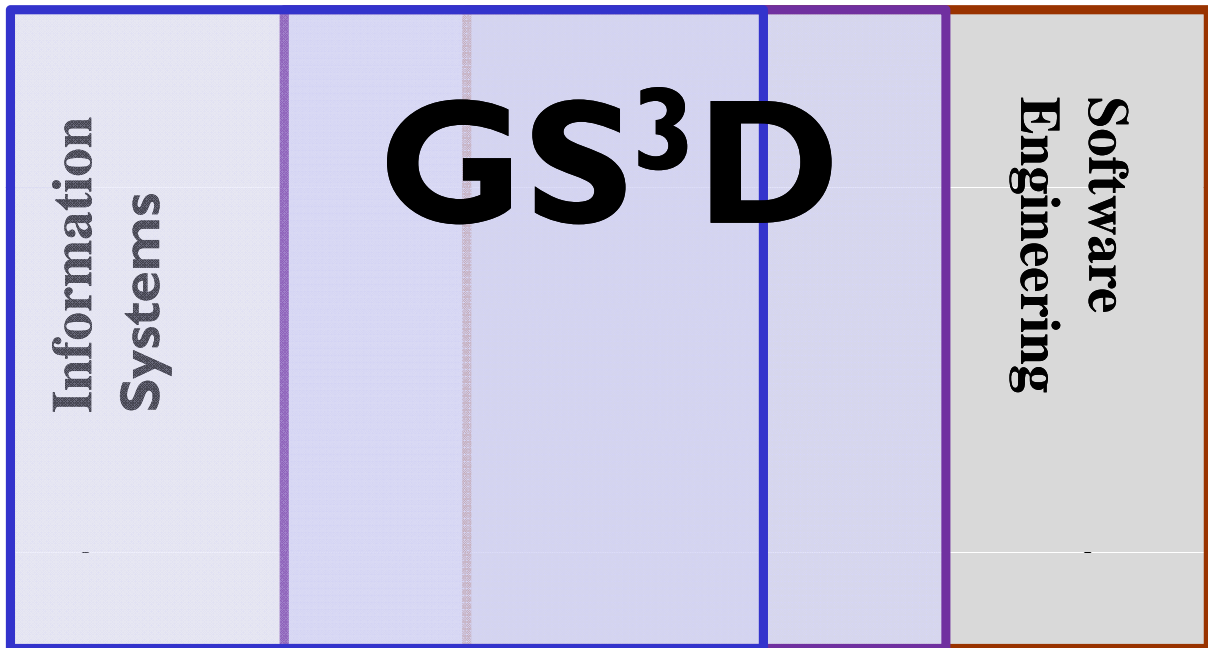
- ✓ Have excellent and multidisciplinary knowledge of software, systems and services development in a global context
- ✓ Skills to understand and to analyze dynamics of the business environment
- ✓ Have good language skills and cultural knowledge of Asian and European cultures
- ✓ Have international experience
- ✓ Have good negotiation skills and knowledge of international laws and regulations concerning contracting
- ✓ Skills to lead multicultural teams, projects and units
- ✓ Can go further with studies to PhD and participate to GS³D research groups

- ✓ Enlarge knowledge to international level
- ✓ Focus on growing and future business markets
- ✓ Learn to understand the rules in international business operations and in multicultural working environment
- ✓ Appreciate earlier studies and working experience
- ✓ Large network of university and industry partners globally and locally
- ✓ Rich variety in learning methods, including courses provided by international partner universities
- ✓ No tuition fees for applicants starting their studies in 2011
- ✓ Tuition fees and scholarships for non-EU students, earliest 2012
- ✓ Good infrastructure and "climate" for studies
- ✓ Teaching language is English

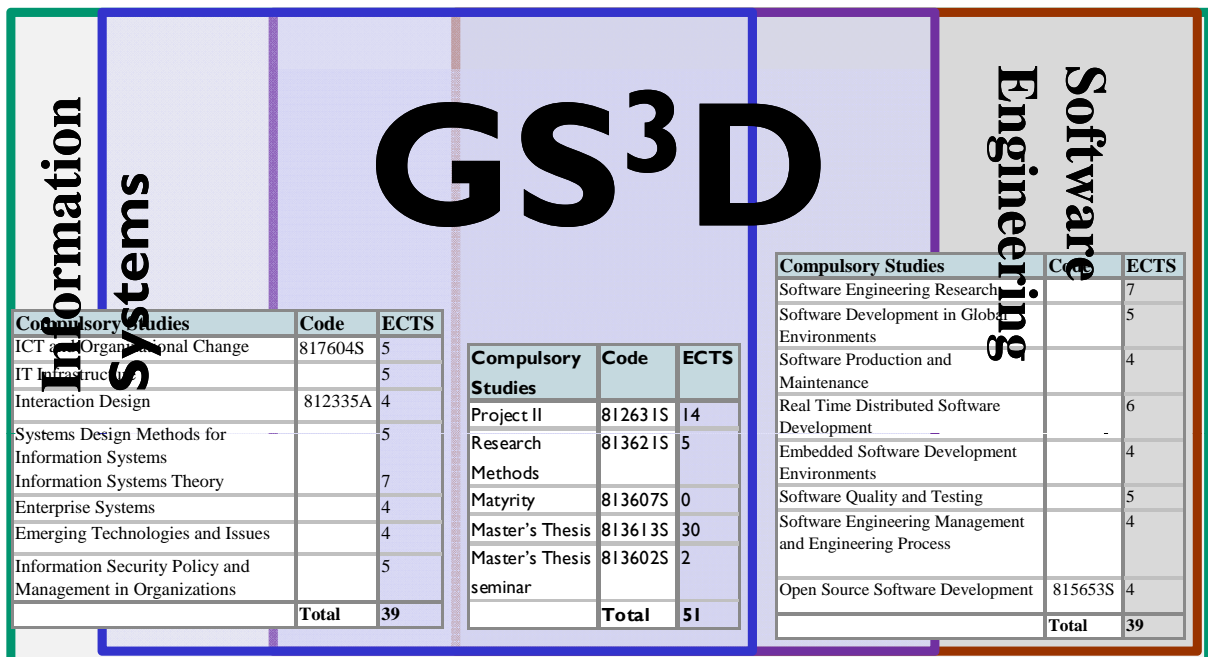
- ✓ Annual student intake: 30 from which approximately 20 from abroad
- ✓ Selection criteria: Applicants must have successfully completed a Bachelor's level degree (180 cr, 3 years) or equivalent degree in the area of computer science, systems science, information technology or business administration
- ✓ Motivation letter, recommendation letter and grades in Bachelor degree
- ✓ Applicants must provide proof of their proficiency in English (IELTS, TOEFL, or other relevant test)
<http://www oulu.fi/degree/language.html>
- ✓ In addition to the master's programme students, also other students can attend to joint cooperation courses from all the partner institutions
- ✓ Student recruitment for Master's Degree level has been united in the University of Oulu (<http://www.degree oulu.fi/>)

- ✓ GS³D programme was started on September 2010
- ✓ Second student admission round ended in January 31st 2011
- ✓ Student admission results are ready in April 2011
- ✓ Personal study plan in September 2011
- ✓ GS³D studies during 9/2011-6/2013
- ✓ Number of students to be accepted will be 30 (+ overbooking 10-15)
- ✓ Number of applicants in 2011 is 154
- ✓ The home countries of applicants are China (22), India (19), Pakistan (27), Iran (15), Bangladesh (7), Ethiopia (5), **Russia (5)**, Nigeria (20), Nepal (6), Finland (4), etc.
- ✓ But 35 applicants already live in Finland, Bachelor degree from Polytechnics

Joint Pool of Master's Degree Studies



Compulsory Master's Degree Studies



GS³D Master's Degree Programme

COMPULSORY STUDIES (95 ECTS)	YEAR	CR	PERIOD
Orientation Studies	1	4	1
IT Infrastructure	1	5	4
Software Development in Global Environment	1	5	4
System Design Methods for (Global) Information Systems	1	5	1
Research Methods	1	5	2+3
ICT and Organizational Change	1	5	3
Open Source Software Development	1	4	1+2
Security Policy and Management in Organisations	1	5	1
SW Business and IT Management	1	5	2
Software Engineering Management and Engineering Process	2	4	2
Information Systems Theory OR SW Engineering Research	2	7	1+2
Project II	2	11	1+2
Master's Thesis	2	30	3+4
TOTAL		95	

GS³D Master's Degree Programme

OPTIONAL STUDIES (MINIMUM 25 ECTS)	YEAR	CR	PERIOD
Enterprise Systems	1.-2.	4	2
Emerging Technologies and Issues	1.-2.	4	3
Software Production and Maintenance	1.-2.	4	3
Software Quality and Testing	1.-2.	5	1
Interaction Design	1.-2.	4	1
ICT and Behavior Change	1.-2.	5	?
Real Time Distributed Software Development	1.-2.	6	1+2
Embedded Software Development Environments	1.-2.	4	4
Designin Secure Systems and Software	1.-2.	5	3
Doing SW Business in China, 5 ECTS	1.-2.	5	4
Application/software/service package-based IS development	1.-2.	5	4
TOTAL		51	

1. Towards double degree

- Jointly recognizable studies (min. 40 credits), preliminary discussions
- Reference IMPIT programme, see <http://cs.joensuu.fi/impit/>
- Master's Degree Programmes:
 - Enterprise Information Systems (PomorSU)
 - Information Technology in Education (PomorSU)
 - Information Systems (PetrSU)
 - Business Informatics (PetrSU)
 - Information Technology (MSTU)
 - Computer Science and Interpretation of Data (MSTU)

2. Course exchange

- Plan for year 2011-12: PomorSU, PetrSU, Uoulu → 4-6 courses
- Coordinating curricula of partner universities: joint courses, timing, credits, course descriptions
- Description of courses in English (UOulu, PetrSU and PomorSU)

3. Promoting cooperation

- Marketing and sharing information of programmes/courses
- Updating information when concrete plan is ready

4. Teacher exchange

- Planning common courses and course modules for partner Universities
- Finding and selecting motivated teachers
- Practicing English, pedagogical and learning technology skills (ENPI)

5. Financial issues

- Basic financing from Universities
- Project financing (ENPI, Erasmus Mundus, FIRST etc.)

6. Other issues

- Recognition of studies and diploma supplement
- Motivating and activating teachers, getting financial support
- Better understanding of each other's interests and motivation

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DEPARTMENT OF INFORMATION PROCESSING SCIENCE



Agenda for GS³D meeting

Wednesday, February 22nd

9.00 – 10.30 Meeting of the working GS³D group :

- ✓ Opening the WG meeting
- ✓ Accepting the agenda
- ✓ Activities made since previous meeting

10.30 - 10.50 Coffee-break , entrance hall of the Tietotalo 2

10.50 – 12.30 Meeting continues

- ✓ Discussion of prerequisites for future cooperation
- ✓ Cooperation activities between partner Universities
- ✓ Main activities for partners

12.30 – 13.30 Lunch in the university's staff restaurant "Discus"

13.30 – 15.00 Meeting continues

- ✓ Resources and financial issues
- ✓ Concluding remarks and action points for the years 2011-2012
- ✓ Activity report of the **GS³D** to be presented for reactors 24th of February

15.00 – 15.20 Coffee served in the entrance hall of the Tietotalo 2

15.20 – 16.00 Closing the meeting

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