GS³D Master's Degree Programme

BCBU meeting
Rovaniemi
11.-12.3.2010

GS³D programme

- Main responsibility: Department of Information Processing Science at the University of Oulu
- Theme is focused on Software, Systems and Services Development in Global Environment
- Curriculum development and course planning is ready in spring 2010, teaching activities will start on September 2010
- Existing cooperation partner LUT (Luleå University of Technology) on Information Security courses
- Russian partners at the moment: PomorSU, PetrSU
- Other possible international partners from Norway (U. Narvik) Iceland (U. Akureyki) Japan (U. Hokkaido) and China, South Korea, Europe

GS³D programme

- Duration two academic years plus one semester
- Total credits 120 ECTS (+ some bridge studies if needed)
- Degree: Master of Science Degree (M.Sc.) majoring Information Processing Science
- Minor subjects and optional courses from the joint course pool: Economic sciences, cultural studies, language studies, law studies
- Language: English
- Full-time studying
- Student status: Home institution is University of Oulu

GS³D curricula

Knowledge area	ECTS	Compulsory studies	Optional studies
Orientation studies	4	• Orientation studies, 2 ECTS • Cross-cultural business communications, 2 ECTS	
International Software Business	13	• Case studies in Software Business (S, 8 ECTS) • Patents and IPR, 5 ECTS	• International business operations, 5 ECTS • International business process, 5 ECTS • Software business planning, 5 ECTS
Systems, Software and Services	20	• Mobile Internet Service Architecture, 6 ECTS • Component-Based Software Production, 6 ECTS • System Design Methods for Secure Information Systems, 8 ECTS	• Software Development with Business Objects, 5 ECTS • Personalization, profiling and segmentation for Mobile, 5 ECTS • Location and Context Based Services, 5 ECTS • New Product Development in Software Company, 5 ECTS • Business Applications in Mobile Networks, 7 ECTS
Organizational and Management Knowledge	5	• ICT and Organizational Change, 5 ECTS	• Managing Software Business, 6 ECTS • Technology Management, 5 ECTS • Globalization and International Management, 6 ECTS • Project Management, 5 ECTS
Skills for international operations and distributed projects	10	• Project 10 ECTS , in distributed global context	• Doing SW business with Russians, 5 ECTS • Negotiations in cross-cultural context, 5 ECTS
Research and Master's thesis	43	• Research Methods, 5 ECTS • Advanced Topics on Information Systems and Software Development, 8 ECTS • Master's thesis, 30 ECTS	
Total	95		25

Status of the programme

GS³D — SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

- ✓ Structure, content and student admission criteria of the GS³D programme has been accepted on Autumn 2009
- ✓ Student admission has ended 1st of February 2010
- ✓ Number of applicants was 74, most of them from Far East (China, India, Pakistan), from EU area (Romania, Sweden, Finland), one from Russia , some from Africa, etc.
- ✓ Number of students to be accepted is 30, out of them 20 based on Bachelor degree outside Finland and 10 bachelor degree in Finland (Univ. of Applied Sciences)
- ✓ The selection process is going on, results are ready latest 30th of April 2010
- ✓ Personal study plan (May-September 2010)
- ✓ Studies in programme between 9/2010-6/2012…Master's Thesis latest 12/2012)

GS³D — SOFTWARE, SYSTEMS AND SERVICES DEVELOPMENT IN GLOBAL ENVIRONMENT

Student Admissions

- Annual student intake: 30 from which approximately half from abroad

- Application procedures: Application form, motivation letter and interview

- 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

- Applicants must provide proof of their proficiency in English (IELTS, TOEFL)
  – 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

Teaching and Study Arrangements

- Personal Study Plan for every student
- Distance education in cooperation studies
  - Utilization of multi platform and virtual teaching and tutoring, virtual self-study material, videoconferencing, virtual class rooms
- Master's programme students work in many courses as groups (multicultural benefit)
- Seminars for advanced and research orientated courses
- Students also attend to one project work with cooperation of international companies in related area
- Teacher and student mobility, virtual mobility

Joint course pool

1. Business Applications in Mobile Networks (BAM distant from UOulu/locally at PomorSU)
2. Vehicle Information Systems (VIS from UOulu)
3. Doing ICT Business in Russia (PomorSU, Autumn 2010, new plan during Rovaniemi meeting)
4. Under further discussions:
   - Business opportunities in Russian natural resources and energy production (including regulation, taxation, customs and licenses), to be discussed in WG meeting
   - Performance analysis (PetrSU),
   - Multimedia Business Presentations (PetrSU)
   - Courses from GS³D Master's programme

Cooperation with partner universities

- Guiding principle: barter trade, i.e. exchange of students, teachers and teaching modules

- Student exchange agreement

- Separate contract for Master's programme cooperation

- Defines partner profile

Partner profile

- Student in/out; pre selection
- Courses in/out
- Student projects (cooperative through Internet)
- Master's thesis supervision (in/out)
- Linkage to doctoral studies (in/out)
- Research cooperation

Cooperation

- ✓ To be updated in Rovaniemi, 12th of March 2010
- ✓ Main partners UOulu and PomorSU and PetrSU
- ✓ Plan for April 2010 – May 2011
- ✓ Joint pool of courses
  - – Teaching in English
  - – Internet based, supported by digital materials and learning technology
- ✓ Barter principle – no money flow between participating universities
- ✓ Each partner gives degree to its own students
- ✓ Diploma supplements of joint pool courses (e.g. BAM, MISA etc.)
- ✓ Summer school for post graduate students
  - – Video conferencing / Internet, Groups of students in Archangelsk, Petrozavodsk, Oulu
- ✓ Need to define procedures for
  - – Student selection (language skills)
  - – Study rights
  - – Subscription of courses
  - – Registration of exam results
  - – Parallel master thesis supervision
  - – Parallel research group project
- ✓ Web site
- ✓ Funding from various sources

Agenda for WG meeting

1) Opening words for the WG meeting
   - ✓ Accepting the agenda
   - ✓ Presentation of participants
2) Activities made since previous meeting 5.11.2009
3) Software, Systems and Services Development in Global Environment (GS^{3}D)
   - ✓ Information on the web pages: http://gs3d.oulu.fi/
   - ✓ Presentation of the programme status (Kari Pankkonen)
   - ✓ Student selection process (1.3.2010-15.4.2010)
   - ✓ Cooperation in student recruiting
   - ✓ Joint doctoral programmes and research cooperation
4) Joint course pool and teaching cooperation in the academic year 2010-11
   - ✓ to be discussed during meeting
5. Activity list for year 2010
   - ✓ Procedures for student feedback and assessment (piloting BAM and MISA courses 2009)
   - ✓ Using distant teaching and learning technology, joint student project
6. Resources and financial issues:
   - – Proposal of tuition fee and grant system at University of Oulu, starting in GS^{3}D September 2011
7. Reporting the plans
8. Concluding remarks and action points for the years 2010-2011

Teacher exchange

- ✓ To be discussed in WG meeting
- ✓ Preliminary plan for the year 2010-11
- ✓ Tempus grants from UOulu

Next steps

- ✓ Draft for preliminary action plan

Concluding remarks

✓ Results of the WG meeting

Contacts

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