Programme
Syllabus

for
Information Technology and management

Track: Business Development

120 Credits

Graduate

Start fall 2008

JÖNKÖPING INTERNATIONAL
BUSINESS SCHOOL
JÖNKÖPING UNIVERSITY

Confirmed 2008-02-07

General aims of JIBS

JIBS strives for creating a teaching environment that enhances the students' individual development and encourages them to take responsibility for their studies as part of a life-long learning process. To create conditions for life-long learning, JIBS in cooperation with the university library, ambitiously trains its students to develop information literacy. The concentration on information literacy has support in all programmes and is well integrated in the ordinary education.

The goal of JIBS is to give its students the opportunity to train their ability in
- critical and creative thinking
- taking action and being innovative
- communicative skills
- being prepared to act appropriately in a dynamic reality
- undertaking research and analysis
- following and participating in the continuous development of knowledge and society

An entrepreneurial spirit is put into everyday practice at JIBS. The attitude towards new ventures and projects is generous. JIBS is furthermore an advocate of ethical behaviour, equal opportunities, ecological awareness and social responsibility.

Study Abroad at JIBS
There are excellent possibilities to study abroad at any of our two hundred global partner universities. All programme students are guaranteed a term abroad, with the opportunity for an additional term. All students study at least 15 ECTS credits in English, German, French or Spanish (the language must be non-native to the student). JIBS does not object to students developing a command in languages other than English.

Workshops
Compulsory workshops are part of all programmes at JIBS. They are non-credited and may vary in number. These workshops include the following: 1) Introducing students to the school's computer system. 2) Dealing with information retrieval at the school. 3) Covering written and oral proficiency (for BBA students this workshop is part of English for Business Studies). Other workshops aiming at bringing real-world issues into the education are also part of the programme education at JIBS.

Aims

This is a two-year Master's programme that aims at bringing together students with business and technology background to provide them with knowledge on approaches where information technology is a driving force for successful business operation. Information systems and business
applications are essential part of businesses processes nowadays. However, information systems are not isolated, rather they function in a business context of an enterprise and operated by the enterprise personnel. Only when all parts of this complex socio-technical system work well it brings the business most benefit. Achieving this requires understanding of two perspectives: management of business processes as well as engineering of information systems to support them. Thus, this master's programme offers two specializations.

Study Abroad and Internationalisation

Students are recommended to spend one semester abroad to gain international experience and knowledge. JIBS has more than 200 partner universities.

Contents

The specialization Business Development focuses on management of IT to support business development where IT is an enabling technology and important driving force for new ways of doing business, both locally and globally. The programme emphasizes the combination of issues concerning business processes, the networked society and the human use of IT.
Close-to-all business possibilities, traditional as well as emerging are enabled by IT and therefore put new demands on how to coordinate and manage business development with IT. In other words, the programme focuses on IT enabled business development and alignment of business and IT as key factors in gaining competitive advantage.
Knowledge themes addressed in the program are as follows:
- Business processes in an increasingly networked society
- Strategic planning and leadership

- E-communication, knowledge sharing and cooperative work
- IT investments and legal aspect.

Language

English

Prerequisites

Bachelor's degree with a major in Informatics, Business Informatics, Business Administration, Information Technology, Computer Science, Management or equivalent knowledge.

Degree requirements

Knowledge and understanding

1. the main fields of the subject, including its scientific grounding and applicable methods. The student should also have broad knowledge and essential specialization in some area of the said field and show a deeper insight into current research and development issues
2. to show deep methodological knowledge within the main field of education

Skills and abilities

3. to show the skill to critically and systematicly integrate knowledge, to analyze, to judge and handle komplex issues, questions, and situations with limited access to information
4. to show the ability to criticly, independently, and creatively identify and formulate questions, as well as to plan and use adequate methods to perform qulified tasks within given time framesand contribue to knowledge development and to evaluate their work
5. to show the ability to clearly in detail and discuss information, problems and solutions, and the underlying knowledge and arguments orally and in writing, in dialogue with different groups in national and international context
6. to show such ability to exhibit the skills needed to participate in research- and development work or independently to work in other qualified situations

Assessment and attitude skills

7. to show the ability to analyze the main field of the subject from relevant scientific, societal and ethical aspects taking into account relevant scientific, societhal and ethical aspects and show awarness of ethical aspects on reserach- and development work
8. to exhibit an understanding of the posibilities and limitations of scientific approach, its role in the sociaty and humans responsability to how science is used
9. to show the ability to identify further individual knowledge and take responsability for their competence development

Learning outcome

Knowledge and understanding

1. Explain and discuss IT and management at an advanced and detailed level in relation to other specialized fields such as; business informatics, business administration, information technology, management and law
2. Explain and discuss within the main fields of informatics the core principles of business and IT management, which include issues on IT enabled business opportunities, IT as a in general enabling technology, IT and the networked society, human use of IT, IT enabled business renewal, alignment of business and IT, IT investments, strategic planning and coordination of business and IT
3. Recognize current research issues, explain and discuss the core principles of informatics as they relate to dealing with the issues above
4. Recognize scientific grounding of informatics based on the appropriate use of different methodological approaches for business and IT development
5. Recognize the potentials and limitations of empirical informatics, applied science

Skills and abilities

6. Search for, collect, organize, deploy, assess, and critically interpret relevant data and information concerning a given problem in informatics, with efficient utilization of library and computer resources
7. Independently identify, formulate, investigate, and analyze problems and perform tasks within given time frames, demonstrating self-organization, initiative, and time management
8. Manage his or her own learning with support and guidance, utilizing constructive feedback
9. Perform analysis of and present ideas related to business and IT management using different theories, methods and modeling tools
10. Apply abstract theorizing in an appropriate theoretical framework to consider the essential issues in a variety of informatics problems
11. Collaborate with others to achieve common goals
12. Communicate ideas, information, and concepts by means appropriate to the problem and audience at hand, orally, and in writing articles for potential publication in scientific journals
13. Critically discuss matters, questions, and situations related to business and IT management with rigorous argumentation for discussion
14. Demonstrate ideas and solutions to problems within business and IT management using different methods and modeling tools
15. Demonstrate skills needed to deal with business and IT management

Assessment and attitude skills

16. Exhibit an understanding of the role of knowledge in society and the individual's responsibilities when it comes to the use of this knowledge
17. Analyze informatics from relevant scientific, societal and ethical aspects

Academic year 1

Study period 1	Study period 2	Study period 3	Study period 4
Information Technology and Innovation Management (JBID27) 8 hp	Knowledge Modeling and knowledge Management (JIKD28) 7 hp	Enterprise modelling (JEMD27) 7.5 hp	Corporate Entrepreneurship and Strategic Renewal (JCSD27) 7.5 hp
Research Methods in Informatics and Computer Science (JCOD27) 7.5 hp	Organising and Leading Change (JOCD27) 7.5 hp	Societal and Industrial Evolution in the Connected (IT) Economy (JSID27) 7.5 hp	IT Investments and Procurement (JIPD27) 7.5 hp

Academic year 2

<table>
<tr><th>Study period 1</th><th>Study period 2</th><th>Study period 3</th><th>Study period 4</th></tr>
<tr><td colspan="2">Elective course</td><td colspan="2" rowspan="2">Master Thesis in Informatics (Two Years) (JM2D28) 30 hp</td></tr>
<tr><td>Elective course</td><td>Elective course</td></tr>
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Evaluation

Evaluations of courses and programs is a crucial part of quality development at JIBS. Collaboration with elected students as representatives and student organizations, JSA, is crucial. This process is conducted on two levels, programs and courses.

Program level
On the program level students elect representatives, program developers that represent each track of the program and each study year of the program. Program developers and program managers meet on regular basis and discuss courses and the progress of the program. After each period (two periods each semester program developers and program managers' meets and discuss the outcome of courses. Program developers take contact with course responsible in order to share the overall impression and student experiences from courses. On the annual basis program manager, program developers, JSA and faculty perform a program conference in order to discuss the entire program.

Course level
On the course level program developers and course responsible meet shortly after the course has started. The purpose is to ensure that the course is working well and if necessary make minor changes. After each course is finished all students perform course evaluations on the JIBSNET, and program developers evaluate the course on the aggregate level and communicate with program manager and course responsible.

Student Influence

Student influence is part of JIBS strategy for democratization of education and improving quality in teaching. This is ensured through election of student representatives in each program and each track, for each study year of the program. Those program developers are forming course councils and program council. Continuous meetings with director of education, program managers, and course responsible ensures that information is exchanged and communicated. JSA is an active part of this process.

Examination grades

Students must satisfy course requirements. Three methods of evaluation of student performance in courses are used: written examination, oral examination, and written assignment. In a single course, one of these methods may be used or a combination of them may be used. Oral examinations and written assignments may be carried out individually or in groups. Written examinations are to be done soon after the course has come to an end. In courses where there is a written examination, the student is offered at least two retakes per course. For written examinations taken in May/June only on retake opportunity is given, in August. Those who have passed an exam are not allowed to retake it.

All courses are graded. Usually students receive two grades: a Swedish grade, with Passed with distinction (VG), Passed (G) and Failed (U) as the possible grades, and an ECTS grade, with A-E being passed grades and Fx being failed. For most workshops and some courses, only Passed or Failed is given.

Degree certificate

A degree, Master of Science with a major in Informatics will be awarded, upon request, to students who have completed all the necessary credits for this degree. The requirements for completing the two-year programme are 120 ECTS including the courses Business and IT Management, Principles and Practice. Research Methodology and Master thesis. Not more than 30 ECTS can be on the undergraduate level.

Career prospects

This is a programme for those who want to work in a national or international environment with managerial and strategic IT and business issues. The programme also provides adequate prerequisites to apply for a PhD programme and a potential forthcoming research career. Examples of future professional roles that will be open after the program include Chief Information Officer (CIO), IT Controller, IT Consultant and Project Manager. Beside these formal professional roles there are also a number of functions that need to be handled by professionals. These functions are: IT strategy, Enterprise system enhancement, Internal IT-competence development, Business architecture and System integration facilitation.

Contacts

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