



Programme syllabus

Faculty of Arts and Humanities

Innovation genom ekonomi, teknik och design - inriktning design, masterprogram, 120 högskolepoäng

Innovation through Business, Engineering and Design - specialisation design, Master Programme, 120 credits

Level

Second Level

Date of Ratification

Approved by the Faculty Board within the Faculty of Arts and Humanities 2015-12-07

The programme syllabus is valid from autumn semester 2016

Prerequisites

General entry requirements for studies at the second level and specific entry requirements:

- 90 credits in the main field of study Design (including an independent project of at least 15 credits) or the equivalent,
- English B/English 6 or the equivalent,
- Approved portfolio.

Description of Programme

The aim of the programme is to provide students from the fields of engineering, business and design with the opportunity to jointly develop their abilities to initiate, lead and act for the creation of innovations in our daily lives. Students develop in-depth knowledge in design and there is also collaboration and exchange with business administration and engineering. Students will obtain their master degree in design. In the programme students will develop deeper knowledge of research and investigation methods in design. Students are also introduced to relevant research and investigation methods in business administration and engineering.

Students develop skills in project and innovation management, process and product development, business and systems development, and societal entrepreneurship, which makes the students important actors in the shaping of our future society.

The programme is based on the assumption that our resources are limited and that we will have to satisfy the needs of a constantly increasing number of people in the future. This will increase the complexity of society, which will require an ability to interpret what people in different parts of the world need, and that innovations and solutions that are developed live up to certain requirements. An interdisciplinary innovation process makes room for different perspectives and a more comprehensive view. Through the programme, students will be able to develop more sustainable solutions, taking into account functionality, shape, and resource efficiency.

The overall pedagogical idea for the programme is the interdisciplinary project work on innovation processes, in which students from different faculties, with different subject expertise, work together to create innovations that would not have been possible if each group had worked separately. Through this method of working and through special reflection elements students develop interdisciplinary insight and understanding. In addition, students' future development of knowledge and research is stimulated.

The programme is offered in collaboration between the Faculty of Technology, the School of Business and Economics, and the Faculty of Arts and Humanities. Therefore, this programme syllabus constitutes one of three programme syllabi that make up the programme. Revision of the programme syllabi requires that all faculties take part in the work.

Objectives

Central qualitative targets according to the Higher Education Ordinance

Knowledge and understanding

For a Degree of Master of Arts (120 credits) the student should

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in areas of the field as well as specialised insight into current research and development work, and
- demonstrate familiarity with methods and processes for dealing with complex phenomena, issues and situations in the field.

Competence and skills

For a Degree of Master of Arts (120 credits) the student should

- demonstrate the ability to formulate new issues autonomously and creatively and contribute to the formation of knowledge, solve more advanced problems, develop new forms of personal expression as well as to reflect critically on his or her artistic approach and that of others in the main field of study,
- demonstrate the ability to create and execute his or her own ideas with his or her own personal expression, to identify, formulate and solve artistic and creative problems autonomously and also to plan and undertake advanced artistic tasks using appropriate methods within predetermined time frames,
- demonstrate the ability both nationally and internationally to present and discuss his or her works and artistic issues in speech, writing or in other ways and in dialogue with different audiences, and
- demonstrate the competence and knowledge required to work autonomously in a professional capacity.

Judgement and approach

For a Degree of Master of Arts (120 credits) the student should

- demonstrate the ability to make assessments in the main field of study informed by relevant artistic, social and ethical issues,
- demonstrate insight into the role of art in society, and
- demonstrate the ability to identify the need for further knowledge and take

responsibility for his or her ongoing learning.

Programme-specific objectives

Knowledge and understanding

For a Degree of Master of Arts (120 credits) the student should

- demonstrate knowledge and understanding of the other main fields of study in the programme, and demonstrate an understanding of the increase in value of interdisciplinary collaboration.

Competence and skills

For a Degree of Master of Arts (120 credits) the student should

- independently formulate issues based on the joint knowledge of the project group,
- lead and participate in interdisciplinary and interorganisational projects,
- use and develop methods, technology and processes for the handling of incidents, issues and contexts in interdisciplinary project groups.

Judgement and approach

For a Degree of Master of Arts (120 credits) the student should

- demonstrate in-depth understanding of their professional role and the opportunity that comes with it to act in society.

Content

Content and structure

Organisation

The programme is offered by the Faculty of Arts and Humanities in collaboration with the School of Business and Economics, and the Faculty of Technology.

The programme has one programme coordinator from each faculty. These have the overall responsibility for the cohesion and coordination of the programme, continuous quality work, and course and programme development. The programme coordinators have a continuous dialogue with all teachers who teach on the programme.

Programme Overview

In their work with innovations students should be able to balance the different parts of the process regarding functionality, shape, durability and conditions of production. This requires knowledge of, or collaboration between, different disciplines where different methods, perspectives, and ways of working are used. The programme is based on joint projects, often in collaboration with the industry or organisations, as well as in-depth studies in the student's main field of study and a broadening towards other disciplines. Experiences from the project work are discussed and put in relation to the student's professional skills. Scientific methods used in the innovation process are studied in separate courses.

First term

The first term consists of two courses: Local innovation and Methods at work. The course Local innovation deals with innovation work through an interdisciplinary process. The course is based on the innovation process and studies the specific role of each discipline in this process and how the process can be led. The course contains modules in which students learn to work within the innovation process from the perspective of other participating disciplines. The course contains specialisation in the main field of study and in-depth studies of leadership from the perspective of each subject. In addition to this, professional skills are also covered. Scientific methods are covered in a separate course with the aim to create an understanding for the scientific approach of different disciplines.

Second term

The second term includes project modules investigating how interdisciplinary project groups can act in companies, organisations or authorities. The course includes in-depth studies of the innovation process, conceptual development and creative thinking. The projects require specialisation in the main field of study. In addition to this, professional skills are also covered. Action research and interactive methods are studied in a separate course.

Third term

During the third term students specialise in the main field of study by taking elective courses chosen in consultation with the programme coordinator.

Fourth term

Degree project

Courses in the programme

Year 1

Local innovation, 22.5 credits, level A1N (compulsory)*

Methods at work, 7.5 credits, level A1F (compulsory)*

Innovation for global impact, 22.5 credits, level A1F (compulsory)*

Action research and interactive methods, 7.5 credits, level A1F (compulsory)*

Year 2

Elective courses in the main field of study, 30 credits, level A*

Independent project, 30 credits, level A2E (compulsory)*

*Within the programme's main field of study

Professional relevance and community contacts

During the programme, real projects will be carried out in collaboration with companies, authorities and organisations. Through lectures by professionals, study visits and workshops, students will have the opportunity to come into contact with the industry and the community.

Studies abroad

During the third term students can choose to study abroad. The degree project during the fourth term can also be carried out abroad. Studies abroad are planned in consultation with the programme coordinator. Students have the opportunity to study abroad at any of the universities with which Linnaeus University has agreements.

Programme perspectives

Issues related to sustainable development, gender and diversity are discussed throughout the programme.

The concept of sustainability is defined as including environmental, economic, social, ethical and cultural aspects, as well as health and well-being. The development of theoretical knowledge for analysis and reflection of one's own subject in relation to people and society is central to the programme. Development work in the programme should have as its starting point people's inclusion, knowledge, and understanding. The ability to critically examine possibilities and limitations enables the development of an equal and sustainable society. This work should be supported by the methods on which the programme is based.

An international perspective on societal development, access to resources and the use of resources, as well as an understanding of people's everyday life, are important in order to be able to carry out advanced innovation work. Through collaboration with international companies and organisations possibilities are provided to develop knowledge and understanding of this. The perspectives are also discussed in seminars. Furthermore, the international perspective is strengthened when students from other countries participate in the programme.

Quality Development

Continuous evaluation and improvement of the programme take place for example through course evaluations which are compiled into written reports and reported back to the students. Students actively participate in the follow-up and development of the programme through the programme advisory board. In addition to course evaluations, there is a programme evaluation at the end of the programme, which is also reported back to the students. Evaluation results are used in the quality development of the programme. Programme coordinators are responsible for evaluating the relevance of the programme in consultation with the industry and society at large.

Degree Certificate

After completing their studies, in accordance with the requirements stated in the Qualification Ordinance in the Higher Education Ordinance and in Linnaeus University's local Qualification Ordinance, the student may apply for a degree. Students who have completed this programme can obtain the following degree:

Filosofie masterexamen med inriktning mot innovation genom ekonomi, teknik och design.

(Huvudområde: Transdisciplinär design och hållbarhet)

Master of Arts (120 credits) with specialisation in Innovation through Business, Engineering and Design

(Main field of study: Transdisciplinary Design and Sustainability)

The degree certificate is issued in two languages (Swedish and English). A Diploma Supplement in English is enclosed with the degree certificate.

Other Information

The programme contains compulsory elements such as study visits, laboratory work and field work. Any costs in connection to this are paid by the student. In order to be admitted to the courses in the programme the specific requirements stated in each course syllabus must be fulfilled by the start of the course.