



## Course syllabus

School of Business and Economics

Department of Management

4FE164 Lokal innovation, 22,5 högskolepoäng

4FE164 Local Innovation, 22.5 credits

### **Main field of study**

Business Administration

### **Subject Group**

Business Administration

### **Level of classification**

Second Level

### **Progression**

A1N

### **Date of Ratification**

Approved 2021-10-05

Revised 2022-12-07 by School of Business and Economics. Change of department

The course syllabus is valid from spring semester 2023

### **Prerequisites**

General entry requirements for second-cycle studies, plus specific entry requirements:

- A minimum of 90 credits within the main field of study Business Administration (including a degree project of at least 15 credits) or the equivalent,
- English B/English 6, or the equivalent.

## Objectives

### **Module 1: Interdisciplinary Innovation Processes, 3.5 credits**

After completing this module the student should be able to:

- plan, conduct and evaluate an interdisciplinary project on product development
- apply methods and tools used in the innovation process
- evaluate the concept of innovation and its process from a business administrative, technical or design perspective, as well as identify problems and possibilities from a sustainability perspective
- analyse and evaluate a project on product development from a sustainability perspective
- present an interdisciplinary project on product development orally, visually and in writing

### **Module 2: Innovation Process I – Idea Generation, 5 credits**

After completing this module the student should be able to:

- apply and justify their choice of method for identifying different needs
- apply and justify their choice of method for generating ideas
- identify and analyse different needs and, based on these needs, generate ideas in an interdisciplinary innovation process with a broad sustainability perspective

### **Module 3: Innovation Process II – Realisation, 5 credits**

After completing this module the student should be able to:

- develop ideas into concepts using different methods
- evaluate feasibility and justify their choice of methods from the point of view of a broad sustainability perspective
- develop material that can serve as a basis for communication and evaluation of concepts

### **Module 4: Innovation Process III – Evaluation, 5 credits**

After completing this module the student should be able to:

- analyse, evaluate and revise concepts using different methods
- analyse and evaluate methods for product development
- present an interdisciplinary innovation project orally, visually and in writing, looking at the full process, from idea to implementation, analysing and reflecting upon how the project relates to the sustainability goals

### **Module 5: Professional Skills, 2 credits**

After completing this module the student should be able to:

- analyse and reflect upon the expertise and skills involved in different professions
- discuss and evaluate the different ways in which different professions approach science and art
- analyse and reflect upon their own professional skills by means of critical reflection from a broad sustainability perspective

### **Module 6: Interdisciplinary Work, 2 credits**

After completing this module the student should be able to:

- analyse individual and group approaches in interdisciplinary work
- reflect upon their own approach in interdisciplinary work
- discuss and evaluate different strategies for efficient interdisciplinary work from a broad sustainability perspective

## **Content**

### **Module 1: Interdisciplinary Innovation Processes, 3.5 credits**

The module introduces the different methods and tools used in the innovation process through a project on product development. The module includes the following components:

- interdisciplinary work
- innovation concepts and the innovation process
- concepts involved in product development
- sustainability concepts
- consumption patterns and sustainability

- visual and oral presentation techniques
- academic writing, focusing on reports

### **Module 2: Innovation Process I – Idea Generation, 5 credits**

The module problematises the concept of need, and develops the ability to generate ideas through interdisciplinary work. The module includes the following components:

- theories of need and their applications in the innovation process
- methods and tools for creating ideas
- a sustainability perspective on needs and the development of ideas
- written, oral and visual presentation of the initiation of the innovation process

### **Module 3: Innovation Process II – Realisation, 5 credits**

The module concerns the development of concepts, as well as analysis and evaluation of feasibility. The module includes the following components:

- analysis of feasibility
- the importance of innovation for sustainable development
- analysis and establishment of criteria for realisation of the innovation process
- creation of material that may serve as a basis for communication and evaluation of concepts
- written, oral and visual presentation of the realisation of the innovation process

### **Module 4: Innovation Process III – Evaluation, 5 credits**

The module concerns the evaluation of the innovation process and its results. The module includes the following components:

- consumer behaviour and sustainable development
- behavioural transformation in theory and practice
- evaluation and impact analysis of innovation from a broad sustainability perspective
- analysis and evaluation of the methods used for product development in the innovation process
- written, oral and visual presentation of the innovation process

### **Module 5: Professional Skills, 2 credits**

The module includes the following components:

- the concept of professional skill
- the different concepts used and approaches taken by different professions from a broad sustainability perspective
- dialogue seminars as a method

### **Module 6: Interdisciplinary Work, 2 credits**

The module includes the following components:

- multi-, inter- and transdisciplinary processes
- individual and group strategies in interdisciplinary work
- understanding the perspective of sustainability through complex collaboration

## **Type of Instruction**

The course consists of lectures, workshops and seminars based on the different competences and perspectives of the participating disciplines. The modules are partly based on projects, supported by supervisors from all the participating disciplines, as

well as external stakeholders in collaboration with the programme. Teaching is primarily carried out on campus, although some parts may take place in venues determined by the external stakeholders. Practical work may be conducted within or outside the university.

## Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

### **Module 1: Interdisciplinary Innovation Processes, 3.5 credits**

The module is examined through hand-in assignments and a report.

### **Module 2: Innovation Process I – Idea Generation, 5 credits**

The module is examined through hand-in assignments and a report.

### **Module 3: Innovation Process II – Realisation, 5 credits**

The module is examined through hand-in assignments and a report.

### **Module 4: Innovation Process III – Evaluation, 5 credits**

The module is examined through hand-in assignments and a report.

### **Module 5: Professional Skills, 2 credits**

The module is examined through hand-in assignments and an essay on reflection.

### **Module 6: Interdisciplinary Work, 2 credits**

The module is examined through hand-in assignments and an essay on reflection.

### **The following applies to all modules:**

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail. Grading criteria for the A–F scale are communicated in writing to the student by the start of the module at the latest, as well as how the weighting and weighting of grades on individual examining elements to the final course grade takes place. The basis for the student's grade is determined by the student's fulfillment of the objectives.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University. An examiner can, in exceptional cases, decide that a student who is close to the level for a passing grade may carry out supplementary assignments in order to reach the passing grade.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

## Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

## Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 4FE040,

4FE160, 4TS040, 4TS042, 4ST044, 4DI710 and 4DI714 with 22.5 credits each.

## Other

The course includes study visits, laboratory sessions and field work. This may entail certain costs for the student.

## Required Reading and Additional Study Material

### **Module 1: Interdisciplinary Innovation Processes, 3.5 credits**

#### **Required reading**

Atkinson, A. A. *Management Accounting*. Pearson Education. Latest edition. In selection, about 150 pages.

Bamossy, G. & Solomon, M. (2016). *Consumer Behaviour: A European Perspective*. Pearson Education. In selection, about 180 pages.

Curedale, R. *Design thinking –process and methods manual*. Design Community College Inc. Latest edition. In selection, about 80 pages.

Kumar, V. *101 Design Methods –A Structured Approach for Driving Innovation in Your Organization*. John Wiley & Sons, Inc. Latest edition. About 325 pages.

Thorpe, Ann. *The Designer's Atlas of Sustainability*. Island Press. Latest edition. About 220 pages.

Trott, Paul. *Innovation Management and New Product Development*. Prentice Hall. Latest edition. In selection, about 150 pages.

### **Module 2: Innovation Process I – Idea Generation, 5 credits**

Curedale, R. *Design thinking –process and methods manual*. Design Community College Inc. Latest edition. In selection, about 80 pages.

Max-Neef, M. (1991). *Human Scale Development*. The Apex Press. 115 pages.

Puccio, G. J. (2011). *Creative Leadership Skills That Drive Change*. 2nd edition Sage publications. In selection, about 150 pages.

Trott, P. *Innovation Management and New Product Development*. Prentice Hall. Latest edition. In selection, about 150 pages.

### **Module 3: Innovation Process II – Realisation, 5 credits**

Ashby, M. F., Shercliff, H. & Cebon, D. *Materials: Engineering, Science, Processing and Design*. Butterworth – Heinemann. Latest edition. In selection, about 150 pages.

Ulrich, K. T. & Eppinger, S. D. *Product Design and Development*. McGraw Hill Higher Education. Latest edition. About 358 pages.

### **Module 4: Innovation Process III – Evaluation, 5 credits**

Atkinson, A. A. *Management Accounting*. Pearson Education. Latest edition. In selection, about 50 pages.

Bamossy, G., & Solomon, M. (2016). *Consumer Behaviour: A European Perspective*. Pearson Education. In selection, about 180 pages.

Slack, N., Brandon J., Alistar, J., R. & Betts, A. *Operations and Process Management*. Pearson. Latest edition. In selection, about 200 pages.

Trott, P. *Innovation Management and New Product Development*. Prentice Hall. Latest edition. In selection, about 150 pages.

Scientific articles. About 100 pages.

**Module 5: Professional Skills, 2 credits**

Göranzon, Bo. (2009). *The Practical Intellect*. Santerus Academic Press. 160 pages.

Scientific articles. About 100 pages.

**Module 6: Interdisciplinary Work, 2 credits**

Mintzberg, H., Ahlstrand B. and Lampel, J. B. (2009). *Strategy Safari: Your Complete Guide Through the Wilds of Strategic Management*. 2nd Edition, Pearson Ed. Lmt. In selection, about 150 pages.

Weick, Karl E. (1995). *Sensemaking in Organizations*. Sage publications. Inc. In selection, about 100 pages.