

Developing inter discipline master programs with inspiration from strategic partners A challenging innovative education perspective

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Linnaeus University



Linnæus University

A modern, international university
in the Småland region of Sweden

A close-up photograph of two young women. The woman in the foreground has long brown hair tied back and is smiling warmly while looking down. She is wearing a white shirt with a blue pattern. The woman behind her has dark curly hair and glasses, also looking down. They appear to be outdoors in a bright, sunny setting.

One of Sweden's newest universities

- Located in Kalmar and Växjö
- 32,000 students
- 15,300 full-time equivalents
- 2,100 employees
- Sweden's sixth largest university in terms of number of students



Where is Linnaeus University located?

- Southern Sweden, Scandinavia
- Two-campus university, Växjö and Kalmar (1 hour by train between the two)



In the spirit of Carl Linnaeus

- Curiosity
- Creativity
- Companionship
- Utility

Linnaeus University's vision

- *"Linnaeus University – a creative and international knowledge environment promoting curiosity, creativity, companionship, and utility."*



Organisation

- Faculty of Arts and Humanities
- Faculty of Health and Life Sciences
- Faculty of Social Sciences
- Faculty of Technology
- School of Business and Economics
- Board of Teacher Education

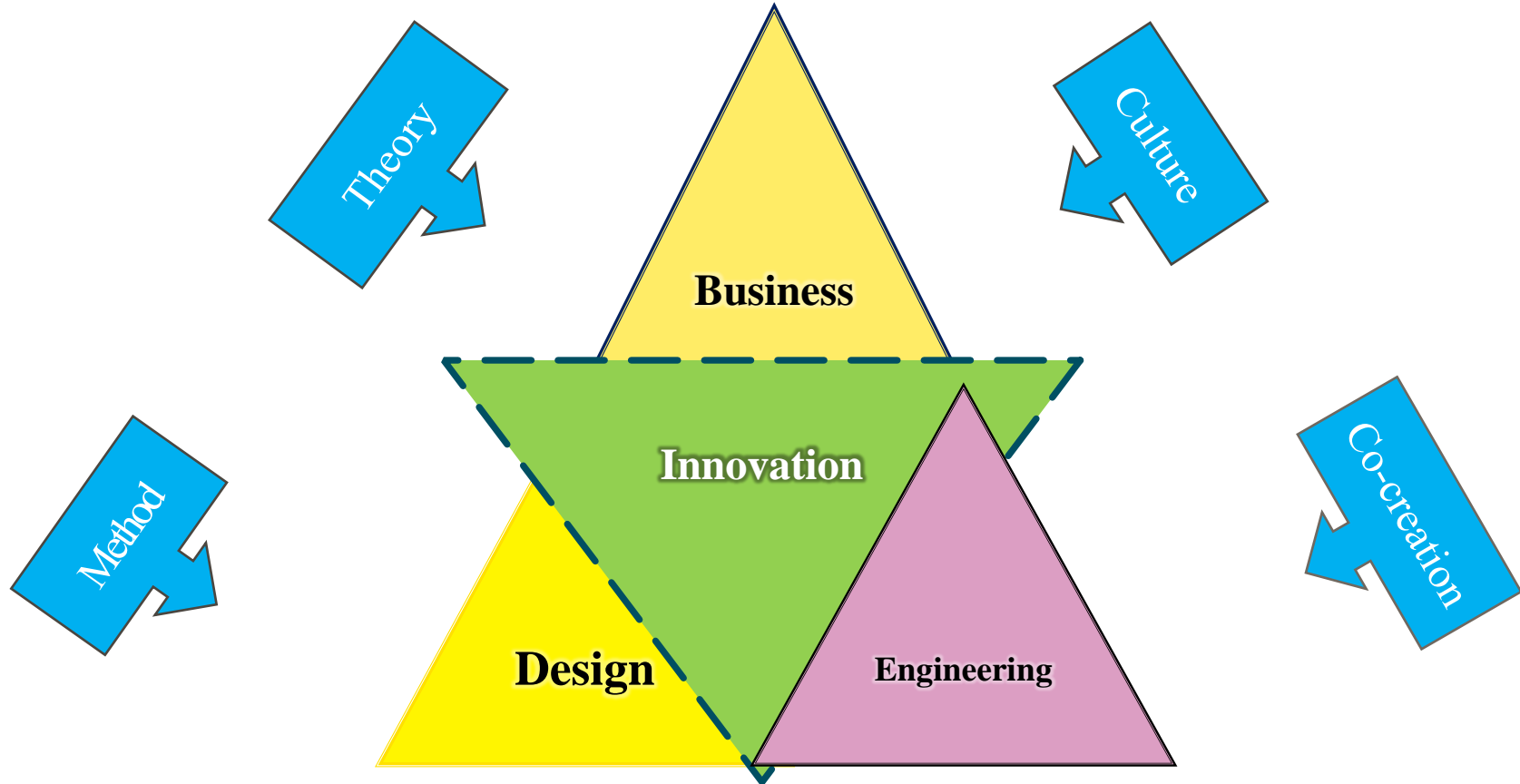


The Bridge – Linnaeus University in collaboration with IKEA

- A multidisciplinary research and education collaboration about life at home and the conditions of production
- The master programme Innovation through Business, Engineering and Design
- The Kamprad Family Foundation.



Innovation concept



Outline of Master of Innovation

First Year

Sem. 1

**Local
Innovation**

Sem. 2

**Global
Innovation**

Second Year

Sem. 3

**Studies at
LNU or
abroad**

Sem. 4

**Master
Thesis**



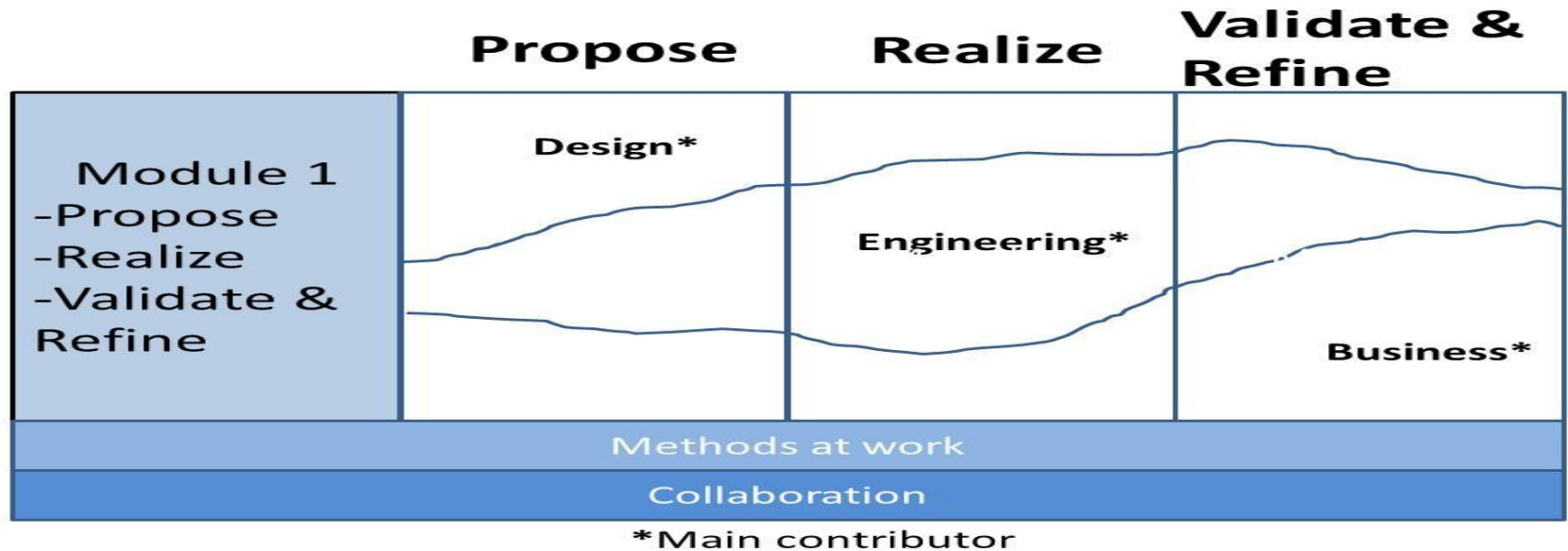
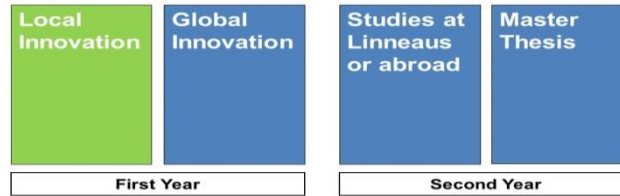
Project based Learning

Supported by class room lectures , workshops, lab work and Company interactions in each discipline

Lectures :

- **1. Theory** of CORE discipline - teachers across 3 faculties
- **2. Methodology** related to project work and project management
- **3. Skills at work** – professional ethics and leadership





Semester 1 – Local Innovation,

Module 1- IKEA Module

- Working with product designers and experts from IKEA on the product briefs given by them to design a product for IKEA
- Workshops and design meetings at IKEA product development HQ in Älmhult, working with Living Labs
- Working in Interdisciplinary teams to create the end result
- Design boards, Prototyping, Target segmentation, Target costing , Customer mapping and feedback
- Wash council with IKEA designers – presentation, opinion, feedback and critique



Product related Local Innovation with companies from Småland



Global Innovation

ISSUES RELATED TO GLOBAL CONTEXTS AND PROBLEMS



Learning objectives

- Learning core discipline in the practitioner's shoes
- Ability to deliver in a team – multidisciplinary work
- Deeper knowledge within the field – core discipline
- Knowledge outside the core field



Challenges

Initiation

Budget

Implementation

Management

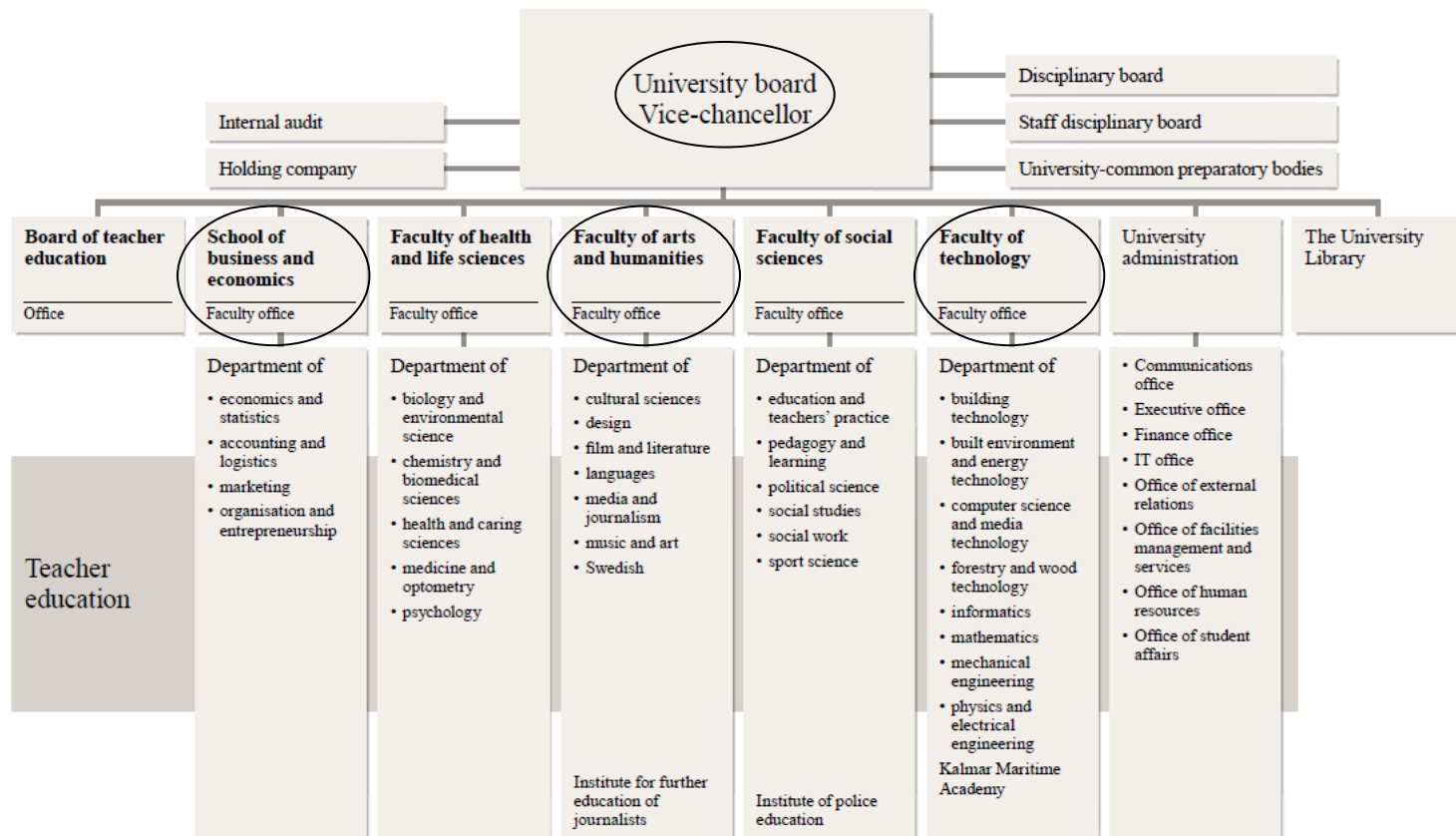
Teachers

Administration

Cooperation



Linnaeus University organisation





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Programme syllabus

Faculty of Arts and Humanities

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

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

Level

Second Level

Date of Ratification

Approved by the Faculty Board within the Faculty of Arts and Humanities
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 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 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. Students will obtain their master degree in design. In the programme, students will obtain their master degree in design.



Linnæus University

Programme syllabus

School of Business and Economics

Innovation genom ekonomi, teknik och design - inriktning företagsekonomi, masterprogram, 120 högskolepoäng
Innovation through Business, Engineering and Design Business, Master Programme, 120 credits

Level

Second Level

Date of Ratification

Approved by the Faculty Board within the School of Business and Economics
The programme syllabus is valid from autumn semester 2014

Prerequisites

General entry requirements for second-cycle studies and 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

Description of Programme

The aim of the programme is to provide students from the fields of business, economics, and design with the opportunity to jointly develop their abilities to initiate, lead, and act for the creation of innovations in our daily life. Students develop in-depth knowledge in business administration and at the same time there is collaboration and exchange with engineering and design. Students will obtain their master degree in business administration. The programme will provide students with research and investigation methods in business administration and design.



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Jnr: 2017/5171-3.1.1.3

Programme syllabus

Faculty of Technology

Innovation genom ekonomi, teknik och design - inriktning teknik, masterprogram, 120 högskolepoäng
Innovation through Business, Engineering and Design - specialisation Engineering, Master Programme, 120 credits

Level

Second Level

Date of Ratification

Approved 2013-11-08
Revised 2017-09-11 by the Faculty Board within the Faculty of Technology
The programme syllabus is valid from autumn semester 2017

Prerequisites

General entry requirements for second-cycle studies and specific entry requirements:

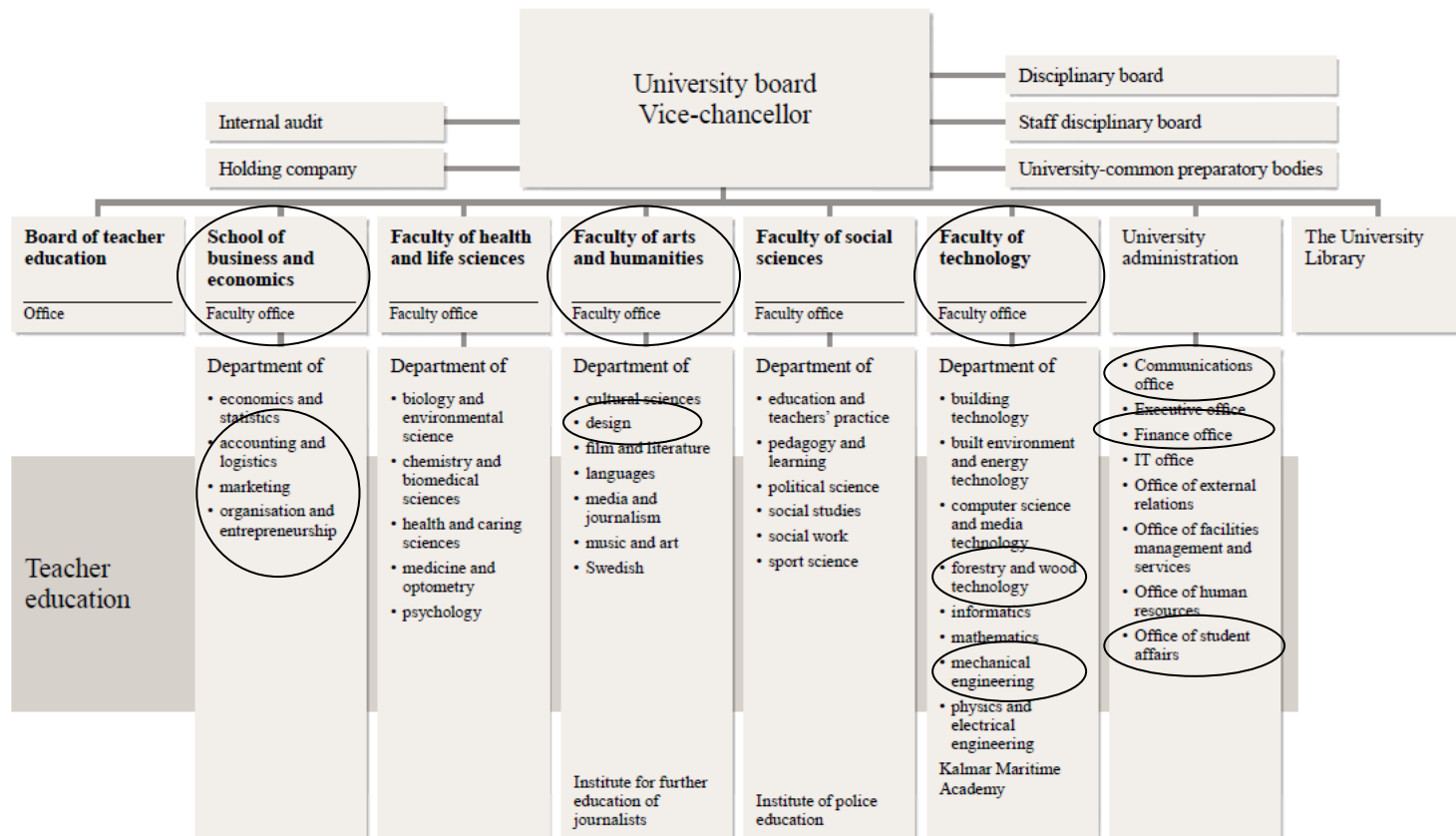
- 90 credits in the main field of study Mechanical Engineering including 7.5 credits in Solid Mechanics, alternatively 90 credits in the main field of study Forest and Wood Technology including 7.5 credits in Mechanics (including a degree project of at least 15 credits) or the equivalent.
- 15 credits in Mathematics; Calculus I, (7.5 credits), and Linear Algebra/Vector Geometry (7.5 credits) or the equivalent.
- English B/6 or the equivalent.

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 ability to initiate, lead, and act for the creation of innovations in our daily life. Students develop in-depth knowledge in engineering and at the same time there is collaboration and exchange with business administration and design. Students will obtain their master degree in their main field of study. The programme will provide students with a deeper knowledge of research and investigation methods in engineering. Students are also introduced to relevant research and investigation methods in business administration and design.



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120 credits

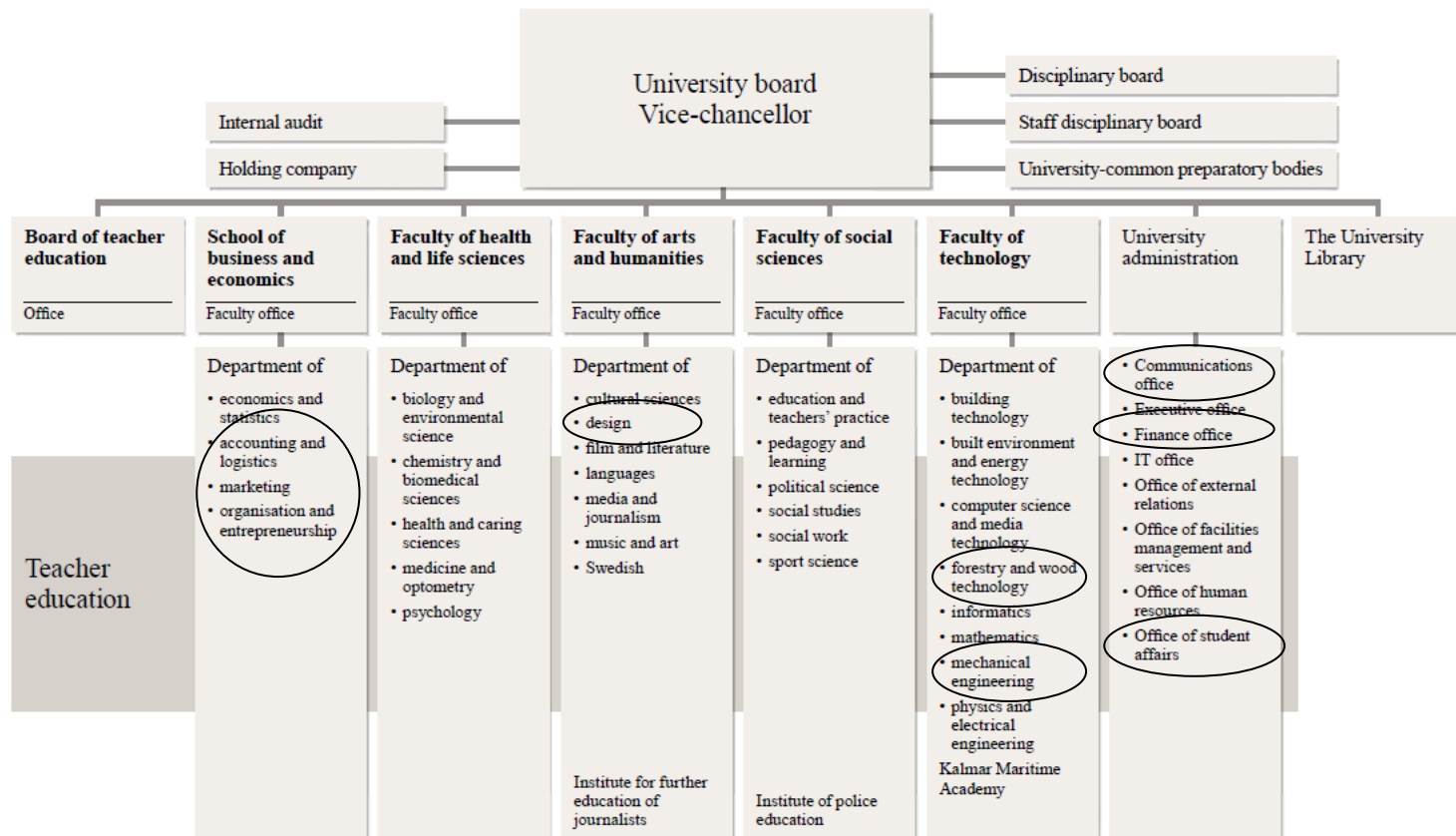


120 credits



120 credits

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Next steps

Review and update of Innovation Master

Student and teacher interviews

Input from alumni, employers and partners

New Masters developments

Master in E-health
Life Science

Technology and Health and

Master in Educational Technology

Pedagogy and Technology

Use of previous experience to create an learning organisation



Scholarship students luncheon in June 2018



The program responsible
Miguel Salinas



Soinya Billore



Peter Lerman



