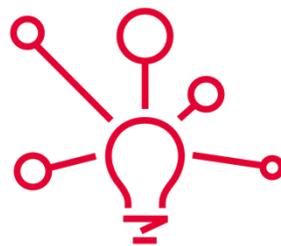


# SDC

The university partnership  
Denmark – China

Master's Programme in

# Innovation Management



Curriculum

2017

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## Legal Frame

Students enrolled in this programme are admitted as full-time students at University of Chinese Academy of Sciences.

This curriculum applies to students enrolled in the programme from 2017.

This master's programme is established within the framework of the following:

- Partnership Agreement between Graduate University of Chinese Academy of Sciences and University of Copenhagen (KU), Aarhus University (AU), University of Southern Denmark (SDU), Aalborg University (AAU), Roskilde University (RUC), Technical University of Denmark (DTU), Copenhagen Business School (CBS), IT University of Copenhagen (ITU), on the establishment of the *Sino-Danish Centre for Education and Research*, Graduate University of Chinese Academy of Sciences, signed on 12 April 2010
- Agreement between Graduate University of Chinese Academy of Sciences (GUCAS) and University of Copenhagen (KU), Aarhus University (AU), University of Southern Denmark (SDU), Aalborg University (AAU), Roskilde University (RUC), Technical University of Denmark (DTU), Copenhagen Business School (CBS), IT University of Copenhagen (ITU) concerning *Master's Programmes at Sino-Danish Centre for Education and Research*, Graduate University of Chinese Academy of Sciences, signed on 29 August 2011
- Agreement between Graduate University of Chinese Academy of Sciences and Aalborg University concerning Provision of the *Master's Programme in Innovation Management* at Sino-Danish Centre for Education and Research (SDC), Graduate University of Chinese Academy of Sciences, signed on 29 August 2011.

Students must observe and act accordingly to the following rules issued by the SDC Directors:

- Courses and Exams
- Exam regulations
- Thesis regulations 10 steps
- Avoid cheating on exams
- Student complaints

Students must also observe and act accordingly to Rules and Regulations for UCAS International Students.

SDC rules are published on Moodle.

## Title and degree

The degree awarded by Aalborg University is Master of Science in Economics and Business Administration (Innovation Management). The degree awarded by University of Chinese Academy of Sciences is Master of Management with a major in Management Science and Engineering, Innovation Management.

## Duration

The Master's programme has a duration of two academic years equivalent to 120 ECTS points (European Credit Transfer System). 60 ECTS points correspond to one year of full-time studies.

When choosing thesis period *Danish/International students* must be aware of UCAS' 4 years limit for awarding diploma. UCAS' degree application procedure **STEP 10 CN**(see Thesis regulations 10 steps) has to be completed within 4 years from enrolment. This period includes leave of absence.

## Admission requirements

- A bachelor's degree in Economics and Business Administration (three years) or equivalent to it is required.
- Danish B level in English

## General programme regulations

The language of instruction in the SDC Master's programmes is English. Teaching, supervision and assessment will be carried out in English.

Students will be graded according to both the Chinese and the Danish grading scale. However, for the Master's thesis, students will be graded according to the Chinese 4-point scale. See Thesis regulations 10 steps.

DK	12	10	7	4	02	00	-3
CN	100 (100-95)	92 (94-90)	83 (89-76)	69 (75-61)	60	50 (59-40)	0 (39-0)

Leave of absence can be granted to students on the grounds of becoming a parent, illness, military service or exceptional circumstances

Students who wish to complete degree programme elements at another university or institution of higher education in Denmark, China or abroad as part of their degree programme may apply the Teaching Committee for advance approval of transfer credit for planned subject elements.

Students can maximum be granted 30 ECTS credit transfer.

Either the Teaching Committee or the SDC Directors may grant exemptions to this curriculum or other SDC rules. Applications for exemption are submitted to the SDC Secretariat

## Qualifications

### Purpose

The purpose of the programme is to provide the student with knowledge, skills and competences within innovation management, including

- that the student further develops the professional knowledge and skills he/she acquired during the bachelor program and increases theoretical and methodological qualifications, as well as enhance independent and critical thinking.
- that the student through academic reflection will be able to independently use the advanced elements of innovation theories and methods for solving managerial problems.
- that the student qualifies to participate in scientific investigations, including research training (PhD education).
- that the student qualifies for specialized management/business functions, primarily in the private sector but also within specific areas of the public sector.

### Qualification Profile

The graduate student acquires advanced knowledge within innovation/innovation management theories and methods, which can be applied in both research and practice for identifying, analysing and solving relevant theoretical and practical problems.

The programme equips the graduate student with analytical skills necessary for analysing innovation management issues within various types of companies, public organizations and within research. Upon completion of the education, the graduate is able to actively participate in and contribute to projects that cross national, organisational and disciplinary boundaries within the field of innovation management and related fields. Furthermore, the graduate is capable of continuously taking responsibility for his/her own professional development and can disseminate his/her knowledge across various disciplines and various audiences.

Moreover, the programme provides the student with a distinct opportunity for shaping and adjusting an individual competence profile through semester projects, internship and thesis work.

The knowledge, skills and competences, the student has acquired upon completion of the study programme are described in the following:

#### *Knowledge*

The student

- has and is able to demonstrate advanced knowledge within innovation management at micro, meso and, to some extent, macro level.

- can identify relevant scientific issues concerning innovation management in an international perspective.
- has solid knowledge in the fields that are closely related to innovation and complementary to it, including entrepreneurship, strategy and business models, and economic globalisation.
- has advanced knowledge and insight into scientific methods and their application to the solution of theoretical and theoretical-practical problems.
- understands, and, on a scientific basis, is able to reflect upon the processes in companies that are necessary for running innovation activities in an international context.

### *Skills*

The student

- demonstrates skills within and the ability to choose and use theories in solving a relevant innovation problem.
- demonstrates skills within and the ability to select and use core qualitative and quantitative methods at an advanced level.
- demonstrates skills within, and the ability to independently formulate, describe, analyse, disseminate and reflect upon problems within innovation management.
- can critically assess theoretical and empirical problem and independently select relevant analysis and solution models.
- can in complex contexts analyse the need for innovative initiatives and ways of organizing these.
- is capable of participating in cross-cultural teams dealing with projects of complex nature, both in connection to research and business.

### *Competences*

The student

- can work with orientation on both problem and solution and across disciplines.
- can work effectively and independently as well as part of a collaborative cross-cultural team.
- can handle issues in complex uncertainties and fast changing contexts.
- can independently initiate, take responsibility for, and complete innovation related tasks in various functional areas.
- can formulate strategies and plans for implementation of innovative initiatives and the development of innovative organizations.
- can disseminate solutions to various audiences including peers, partners, non-professionals and users.



## Structure

The programme contains these elements

Semester	Course / Programme element	Exam	Grading	Examiners	ECTS
<b>1</b>	Contemporary Theory of Innovation and Innovation Management	Assignment and written	7/100 scale	Internal	5
	Organisation and Management of Innovation	Written	7/100 scale	Internal	7,5
	Research Methods	Written	7/100 scale	Internal	7,5
	Semester Project I	Assignment and oral	7/100 scale	External	10
<b>2</b>	Product Design and Development	Assignment and oral	7/100 scale	Internal	7,5
	Innovation Systems and Government-Business Relations	Assignment	7/100 scale	Internal	5
	Globalisation and Innovation	Assignment and oral	7/100 scale	Internal	5
	Business Models Innovation	Assignment and oral	7/100 scale	External	12,5
	Semester Project II	Assignment and oral	7/100 scale	External	12,5
<b>3</b>	<i>One of the following elements must be chosen:</i>				
	Research Based Internship / Project	Assignment and oral	7/100 scale	External	30
	Studies at another University*	-	-	-	30
<b>4</b>	Thesis	Assignment and oral	7/4 scale	External	30

The programme consists of course modules, which are divided into four semesters.

- Semester 1-2: Subjects that relate to the field of economics and business administration with special emphasis on innovation management, including innovation theory, entrepreneurship, innovation systems, learning and knowledge theories, organisation and management, globalisation of innovation, value chains, business models and the methodologies that enable students to investigate innovation management issues.
- Semester 3: Research-based internship in a company or organisation, an independent research-based project or an exchange study semester at another university.

- Semester 4: Master's thesis.

\* Electives from other universities must be pre-approved by the Teaching Committee.

All programme elements are mandatory.

- The first two semesters are structured as a combination of lectures/seminars, exercises/cases, visits to companies and project work. The project work in the first two semesters is defined within the thematic framework of the semester. The project work is based on current innovation related problems, with relevance for businesses, industries and organisations. Students work critically and systematically with the theories/methods related to these issues.
- In the third semester, students have three options:
  - Research-based internship
  - Research-based project
  - Studies at another University
- The fourth semester is dedicated to the Master's thesis. The thesis project may be theoretical or combine theoretical reflections with empirical realities.

The programme is designed to ensure professional progression and coherence. The programme consists of modules with compulsory content and readings and modules with room for students to choose and thus create their own individual academic and professional profile. This is especially the case for the 3rd semester (internship or project) and the 4th semester (thesis), but also the semester projects in the 1st and 2nd semester provide the student with opportunities for shaping the profile of the education.

## Course and Exam Descriptions

### Contemporary Theory of Innovation and Innovation Management

5 ECTS

#### CONTENT

The aim of the module is to provide students with a broad understanding of the dominant theories of innovation and innovation management as well as the foundational concepts of learning and knowledge, and how these theories interact and create dynamics, at both a macro-, meso- and micro level.

The module provides insights into and positions the respective fields of theory and their interaction through literature, lectures, seminars and case studies. Students prepare and present a topic from the module at a module seminar in groups.

#### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- define, analyse and reflect on key concepts and theories within innovation/innovation management.
- contextualize the concepts and theories into innovation and company practices (cases).

#### EXAMINATION

Individual written exam and a written assignment. The exam is a 3-hours individual, written exam focusing on the theories of innovation/innovation management and their contextualisation. The written assignment is prepared by the students in groups of up to five members. It is performed in the course of the module period and constitutes 30 per cent of the grading.

All aid incl. PC/tablet is allowed during the written exam, but internet access is prohibited.

#### RE- EXAMINATION

The re-exam is subject to the same regulations as the ordinary exam.

#### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## Organisation and Management of Innovation

7,5 ECTS

### CONTENT

The aim of the module is to give students an understanding of the dominant theories of organisation and management in an inter-cultural and innovation management perspective.

Each session combines lectures and discussions. The students will be lead to reflect between theory and practice, and in particular relate what they learned in the module *Contemporary Theory of Innovation and Innovation Management*; i.e. concepts and theories related to innovation.

### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- define and explain key concepts and assumptions of different organization and management theories.
- understand and analyse the organisational and managerial challenges particular to organisations operating across cultures.
- understand and analyse how innovation activities are organized and managed at intra- and inter-organisational levels.

### EXAMINATION

The exam is a 4-hours individual written exam based on a set of specified questions.

All aid incl. PC/tablet is allowed, but internet access is prohibited.

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### RE- EXAMINATION

The re-exam is subject to the same regulations as the ordinary exam.

### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## Research Methods

7,5 ECTS

### CONTENT

The aim of the course is to provide students with the skills required for conducting different types of research and preparing research project reports. During the course, students will be introduced to basic concepts and frameworks of theory of science and how to design and conduct qualitative as well as quantitative research. The focus will be on understanding steps that are necessary for conducting research: formulating research questions, research design, data collection, data analysis, and drawing inferences and reporting results. The goal is to acquaint the students with a variety of different research methods and to enable students to select research designs and methods appropriate for a research objective.

The course serves as an introduction to theory of science and methodological considerations in relation to conducting academic research and writing academic projects. The course establishes the meta-theoretical context for discussing and developing academic research. The central argument is that understanding different paradigms, approaches, research designs and research techniques is crucial in order to design and conduct research projects that create valid and reliable knowledge.

The course will provide students with insights in the following main areas:

A discussion of theory of science: What do we mean by theory of science and what different paradigms exist within social science

How to match research questions with research designs and data collection methods: How to select the most appropriate research design

The intercultural dimension of academic research: How to handle intercultural research projects

The nature of qualitative research methods: How to design and perform qualitative research

The nature of quantitative research methods: How to design and perform quantitative research

The course will focus on introducing students to theory of science, group work and project writing.

Furthermore, the module introduces students to both qualitative and quantitative research methods. Here a collection of articles that exemplifies different research methods will be used throughout the course for inspiration and examples. The lectures will be combined with group work seminars where students develop and present research design based on each of the research methods introduced throughout the course. Presentations are prepared in project groups and all groups will get to present at least once.

### LEARNING OBJECTIVES

At the end of the course, the students should be able to:

- define and compare alternative scientific paradigms.
- define and discuss strengths and weaknesses of alternative research designs, including methods for collecting and analysing data.

- develop research designs suited to investigate a variety of different research purposes.

## EXAMINATION

The examination is a 4-hours individual written exam on philosophy of science, methodology and research methods. The students are evaluated on their knowledge of different epistemological positions, research designs, and research methods, on their ability to connect philosophy of science to specific research practices, on their ability to justify methodological and method choices in terms of research objectives, design, and consistency.

All aids incl. PC/tablet is allowed, but internet access is prohibited.

## RE- EXAMINATION

Re-take examinations are subject to the same regulations as the ordinary exam.

## GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## Semester Project I

10 ECTS

### CONTENT

The aim of the module is for students to acquire insights and skills in problem identification and solving within innovation/innovation management using scientific methods and theoretical reflections, i.e. the way various real business problems may be understood, analysed and solved.

The module is based on the students' selection and investigation of a real-life innovation/innovation management problem. The identified problem will be addressed by using the theoretical and methodological insights gained in previous modules. The students will be provided with guidance throughout the project period.

The work form is problem-oriented project work in groups (max five students per group) with a project report as the output.

The topic for the semester project is chosen by the students in consultation with supervisors and approved by the coordinator. The topic must be a real-life problem to allow for theory-practice integration. Furthermore, it must be a problem that can be properly researched within the available time frame. Collaboration with companies is encouraged, but should be discussed with the supervisor to make sure that it is realistic to collaborate and compile the necessary data within the given time frame.

### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- identify and formulate problems in the area of innovation/innovation management.
- analyse the formulated problem using practical insights, scientific methods and theoretical reflections from the modules of the semester.
- prepare and execute the empirical part of the project (data selection, collection and analysis) using the Research Methods module.
- develop solutions to the problem and communicate these through a project document.
- experience and advance their understanding of working in diverse intercultural groups.

### EXAMINATION

Individual oral examination based on a written project.

The project is prepared in groups of up to five students.

The length of the project is min. 30 and max. 50 standard pages. The number of pages includes the text and tables while executive summary, references and annexes are excluded.

The oral exam is up to 25 minutes per student and includes an individual presentation (max eight minutes) on a topic related to the project, a discussion of the presentation and the project, the grading and the feedback.

#### RE- EXAMINATION

Individual oral examination based on a written project.

The project is an individual written mini-project of 10 standard pages.

The oral exam is up to 25 minutes

#### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## Product Design and Development

7,5 ECTS

### CONTENT

The aim of the module is to provide the students with a systematic process, a set of tools and methods that will enable them to understand how design ideas may evolve into innovative solutions to marketplace needs, wants and desires.

The creation of a new product or service is not a simple process. It takes in various organisational levels, numerous functional areas, dispersed geographies and requires unique skills and competences of the individuals involved in it. This course combines the perspectives of marketing, design and operations. In addition to focusing on the design and development phases a product goes through, the course also addresses a more general view of the appropriate attitude to design and innovation in today's fast changing global business environment.

### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- gain knowledge and understanding of characteristics of successful product design and development.
- grasp what it takes to create a new product or service and what are fundamental design techniques and methodologies that support this process.
- develop ability and confidence in adopting, evaluating and implementing design techniques and methodologies in various domestic and international organisational settings in both manufacturing and service environments.

### EXAMINATION

Group oral exam based on the literature from the reading list and a written assignment.

The assignment is prepared by the students in groups of up to five members. The assignment is performed in the course of the module period and constitutes 30 per cent of the grading.

The oral exam is up to 25 minutes per student.

### RE- EXAMINATION

Re-take examinations are subject to the same regulations as the ordinary exam.

### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## **Innovation Systems and Government-Business Relations**

5 ECTS

### CONTENT

The aim of the module is to provide students with knowledge of theories of innovation systems and how companies are embedded in and can take advantage of such systems. The module has a special focus on government-business relations, including policies of innovation promotion and university-business relations.

The module presents contemporary theories of innovation systems in different perspectives (Global, National, Regional, Sectoral, Clusters) and illustrates their interplay with innovation at a business- and organisational level. Innovation systems are furthermore analysed from a policy perspective, in order to support the development of innovation systems. Teaching comprises literature, lectures, and possibly seminars and case studies.

### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- analyse and reflect on the concept of innovation systems and apply it at different analytical levels.
- conduct analysis and evaluation of innovation systems' development, dynamics and opportunities for change through policy formulation.
- understand and reflect on innovation management strategies within an innovation system perspective.
- account for and explain the roles of government in business activities of firms.
- understand and critically assess different strategies that businesses can pursue in relation to governments.

### EXAMINATION

An individual essay on one of stipulated topics written in the period of one week. The length of the project is standard 10-15 standard pages. The number of pages includes the text and tables while references and annexes are excluded.

### RE- EXAMINATION

Re-examinations are subject to the same regulations as the ordinary exam.

### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## Globalisation and Innovation

5 ECTS

### CONTENT

The aim of the module is to give students knowledge on theories of economic globalisation in general and specific theories of internationalisation of companies focusing on the internationalisation of value chain activities in general and innovation activities in particular.

The focus of the module is on the internationalisation of innovation/R&D and how global innovation networks are organised and managed in an intercultural context. Teaching comprises lectures, seminars and cases. Furthermore, the theoretical elements of the course are linked to practical action through a written group assignment that is performed throughout the course.

### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- understand and reflect on the major dimensions, stages, drivers and meanings of globalisation.
- understand and reflect on how companies fit within the context of globalization and organise their value chain activities across borders.
- critically ponder and synthesize internationalisation theories in relation to their value chain activities in general and innovation/R&D activities in particular.
- use tools and techniques needed for organising innovation activities on the global scale.

### EXAMINATION

Individual oral exam based on the literature from the reading list and a written assignment.

The assignment is prepared by the students in groups of up to five members. It will be based on a set of questions and its length requirements are 10-15 standard pages. The assignment is performed in the course of the module period and constitutes 30 per cent of the grading.

The oral exam is up to 25 minutes per student.

### RE- EXAMINATION

Re-take examinations are subject to the same regulations as the ordinary exam.

### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## **Business Models Innovation**

12,5 ECTS

This includes Semester Project II

### CONTENT

The aim of the module is to provide students with insights into the concept of business models and how to design and implement business models as well as how to design and implement original, unique and innovative business models. Furthermore, the module is set out to provide the students with contemporary creativity approaches for enhancing creativity in the entrepreneurial team and for the entrepreneurial individual. A concrete case related to innovation, business modelling and creativity is used to experiment on and discuss the development of business models.

### LEARNING OBJECTIVES

Following the successful completion of the module the students will be able to:

- understand and reflect on business models, innovation and its underlying assumptions.
- understand and practice contemporary approaches for enhancing creativity and how to apply creativity methods in teams and for individuals.
- link business model theories to innovation and creativity practices and use tools for business model innovation.

### EXAMINATION

The examination in this course is integrated with the examination in *Semester Project II* and an overall grade will be given. For examination regulations please see *Semester Project II*.

## Semester Project II

12,5 ECTS

This includes the course Business Models Innovation

### CONTENT

The aim of the module is to further develop (from Semester Project I) the students' skills in working problem-oriented in groups and solve real-life innovation problems.

The module is based on identifying and analysing real-life innovation problems. The identified problem must be addressed by an activation of the theoretical insights gained in other modules and the methodological learnings from the module Research Methods. The students will be provided with guidance/supervision throughout the project period.

The theme for Semester Project II is the innovation problems and issues faced by companies and societies today as they were presented and discussed in the first three modules of the 2nd semester. The semester project is expected to deal with an issue related to the three modules and adopt a business models/strategic perspective as presented in the module Business Models Innovation.

Students work in groups of up to five and each group is assigned a supervisor for discussing the topic to work on and subsequently support in relation to data collection, analysis, theoretical reflections and solutions.

The topic for the semester project is chosen by the students in consultation with supervisors and approved by the coordinator. The topic must be a real-life problem to allow for theory-practice integration. Furthermore, it must be a problem that can be properly researched within the available time frame. Collaboration with companies is encouraged, but should be discussed with the supervisor to make sure that it is realistic to collaborate and compile the necessary data within the given time frame.

### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- formulate a complex problem in the area of innovation/innovation management with basis in reality highly exposed to global trends.
- analyse the formulated problem using practical insights, scientific methods and theoretical reflections from the modules of the semester.
- prepare and execute the empirical part of the project (data selection, collection and analysis) using the Methodology module.
- develop solutions to the problem and communicate these through a project document.
- experience and advance their understanding of working in diverse intercultural groups.

### EXAMINATION

Individual oral examination based on a written project. The examination also includes the module *Business Models Innovation*.

The project is prepared in groups of up to five students.

The length of the project is min. 30 and max. 50 standard pages. The number of pages includes the text and tables while executive summary, references and annexes are excluded.

The oral exam is up to 25 minutes per student and includes an individual presentation (max eight minutes) on a topic related to the project, a discussion of the presentation and the project, the grading and the feedback.

#### RE- EXAMINATION

Individual oral examination based on a written project.

The project is an individual written mini-project of 10 standard pages.

The oral exam is up to 25 minutes

#### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## Research Based Internship / Project or Studies at another University

30 ECTS

For this module (3<sup>rd</sup> semester), students have three options:

Research based internship

Research based project

Studies at another university

### 1. Research Based Internship

#### CONTENT

The aim of a research based internship is to train the student to independently develop solutions to a management problem within innovation areas in a host company or organisation through the integration of theoretical reflection and practical action.

The internship is an opportunity to combine theories and methods from the study programme with the practices of companies, organizations and institutions. The internship must have an educational aim as well as contribute to the development of the internship hosts.

The student is part of the host organization and works on assignments agreed upon by the host and the student and approved by the internship coordinator. The internship period duration is 3-4 months of full time employment. The student receives guidance from SDC supervisors. The internship host also assigns a contact person to support the student.

#### LEARNING OBJECTIVES

Following the successful completion of the module, the students will be able to:

- identify and formulate an innovation/innovation management problem relevant to the internship host, but also reflects the interests of the student.
- prepare and apply a methodological design for how to collect and analyse data and provide solutions to the problem.
- review, critically discuss and select appropriate theories for analysing and providing solutions to the defined problem.
- get insights into how the host organisation is organised and managed.
- reflect on work experiences and learnings acquired during the internship period.

#### EXAMINATION

The examination is an individual 45 minutes oral exam based on the written internship report submitted at the stipulated deadline. The report must be minimum 40 and maximum 75 standard pages in length excluding executive summary, references and annexes.

#### RE- EXAMINATION

Re-take examinations are subject to the same regulations as the ordinary exam.

#### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

## 2. Research Based Project

### CONTENT

The aim of the research based project is to train the student to independently formulate, analyse and provide solutions to an innovation/innovation management problem through theoretical reflections and scientific methods.

The students work independently or in groups on an innovation/innovation management problem of theoretical or practical relevance and approved by the project coordinator. The student receives guidance from SDC supervisors.

### LEARNING OBJECTIVES

Following the successful completion of the module, the student will be able to:

- identify and formulate an innovation/innovation management problem of theoretical and practical nature.
- prepare and implement a methodological design for how to select, collect and analyse data and provide solutions to the problem.
- review, critically discuss and select appropriate theories for analysing and providing solutions to the defined problem.
- highlight and discuss practical implications of the project.
- reflect on conducting a research study using scientific rigour.

### EXAMINATION

The examination is an individual 45 minutes oral exam based on the written project report submitted at the stipulated deadline. The report must be minimum 40 and maximum 75 standard pages in length excluding executive summary, references and annexes.

### RE- EXAMINATION

Re-take examinations are subject to the same regulations as the ordinary exam.

### GRADING

Grades are given according to the Danish 7 step and the Chinese 100 points grading scales.

### **3. Studies at another University**

The aim of studies at another university is to deepen and/or complement the programme and thus improve the academic and professional profile of the student.

Studies at another university must be at master level, representing a comparable workload and should be approved by Teaching Committee.

## Thesis

30 ECTS

### CONTENT

The aim of the thesis work is to demonstrate that the student can work on a high theoretical level and in a systematic manner apply scientific methods to problems within innovation management that are theoretical or practical in nature. The thesis must demonstrate competence working with scientific theories and methods within a specified subject of innovation management. The subject must have a complexity and an extent that allows for it to be completed in course of one semester.

The thesis may be theoretical or theoretical/practical in nature. Students may establish a partnership with a company or an organisation with the purpose of identifying and solving problems within management of innovation using scientific procedures and methods. The students will be provided with guidance during the thesis, having a Danish as well as a Chinese supervisor.

### LEARNING OBJECTIVES

After having completed the Master's thesis, the student must be able to:

- identify and define a complex and relevant innovation management problem (theoretical or theoretical-practical in nature) with important practical (policy and/or strategic) implications and potential for theoretical contribution.
- identify and apply relevant theories that can be used for building a conceptual framework for the analysis of the identified innovation management problem.
- identify and compare relevant scientific methods and prepare a design for selection, collection and analysis.
- develop solutions and demonstrate implications based on the findings of the analysis
- work independently and assume academic responsibility for the learning that the project has resulted in.
- demonstrate competence of and skills in scientific writing and oral presentation of the thesis and its findings.

### EXAMINATION

The thesis is an individual written assignment. The thesis has a length of a minimum of 60 and a maximum of 100 standard pages, excluding executive summary, references and annexes. Students should add a summary to the thesis in English.

The examination (defence) is oral, based on the thesis. It consists of the thesis presentation followed by a dialogue between the student and the examiners that make up the Thesis Defence Panel.

The oral examination lasts 60 minutes.

The grade awarded must reflect an overall assessment of the written thesis and the oral defence.

The assessment is made by the Thesis Defence Panel which includes an external examiner.



## RE-EXAMINATION

Re-take examinations are subject to the same regulations as the ordinary exam. For more information, see SDC Thesis regulations 10 steps.

## GRADING

For the Danish/international students, grades are given according to the Danish 7 step and the Chinese thesis grading scales.

For the Chinese students, grades are given according to the Danish 7 step grading scale only.

The details of the thesis procedure are described in SDC Thesis Regulations 10 Steps.

## **Commencement**

Effective as of 01.09.2017

## **Changes to the curriculum**

No changes yet.