



GÖTEBORGS UNIVERSITET
HANDELSHÖGSKOLAN

Ref GU 2019/2432

General Syllabus for PhD Programme in Innovation, Entrepreneurship and Management of Intellectual Capital

This general syllabus was confirmed by the Faculty Board of the School of Business, Economics and Law on October 23rd 2019.

The programme comprises 240 higher education credits and leads to the degree of Doctor of Philosophy.

This document is a translation of the Swedish original. In the event of discrepancies between the translation and the original, the original shall prevail.

Aims

The purpose of the programme is to provide the student with the type of knowledge and skills he/she will need to be able to autonomously conduct research and contribute to the development of knowledge autonomously in the field of Innovation, Entrepreneurship and Management of Intellectual Capital. The goal is for the programme to lead to the successful presentation of a doctoral thesis. The doctoral thesis shall be a qualified contribution to the development of knowledge and the scholarly discussion in the disciplinary domain. Upon completion of the programme, the doctoral student shall be able to benefit from the education in the fields of research, development and inquiry work, as well as in private and public administration.

Knowledge and understanding

For the degree of Doctor of Philosophy, the student shall:

- Demonstrate broad knowledge and systematic understanding of the research field of Innovation, Entrepreneurship and Management of Intellectual Capital as well as advanced and up-to-date specialised knowledge in a limited area of this field.
- Demonstrate familiarity with research methodology in general and the methods used in the field of Innovation, Entrepreneurship and Management of Intellectual Capital in particular.

Competence and skills

For the degree of Doctor of Philosophy, the student shall:

- Demonstrate the capacity for scholarly analysis and synthesis as well as to review and assess, autonomously and critically, new and complex phenomena, issues and situations in the field of Innovation, Entrepreneurship and Management of Intellectual Capital.
- Demonstrate the ability to identify and formulate issues in the relevant field critically, autonomously, creatively and with scholarly precision, and to plan and use appropriate methods to undertake research and other qualified tasks within predetermined timeframes and to review and evaluate such work.
- Demonstrate through a thesis project the ability to make significant contributions to the formation of knowledge in the field of Innovation, Entrepreneurship and Management of Intellectual Capital through his/her own research.
- Demonstrate the ability in both national and international contexts to present and discuss research and research findings authoritatively in speech and writing and in dialogue with the academic community and society in general.
- Demonstrate the ability to identify the need for further knowledge in the field of Innovation, Entrepreneurship and Management of Intellectual Capital.
- Demonstrate the capacity to contribute to social development and support the learning of others both through research and education and in other qualified professional capacity.

Judgement and approach

For the degree of Doctor of Philosophy, the student shall:

- Demonstrate intellectual autonomy and disciplinary rectitude as well as the ability to make assessments of research ethics.
- Demonstrate specialised insight into the possibilities and limitations of research, its role in society and people's responsibility for how it is used.

Additional information

Innovation, Entrepreneurship and Management of Intellectual Capital is the scientific study of innovation processes, their determinants and social and economic outcomes. The innovation process is a central research perspective, entrepreneurship a sub-process and it encompasses a perspective as well as emphasised the importance of management of intellectual assets.

Entry requirements

General entry requirements

A person meets the general entry requirements for third-cycle studies in Innovation, Entrepreneurship and Management of Intellectual Capital if he/she:

- has been awarded a second-cycle qualification,
- has satisfied the requirements for courses comprising at least 240 higher education credits, of which at least 60 were awarded in the second cycle, or
- has acquired substantially equivalent knowledge in some other way in Sweden or abroad.

Specific entry requirements (Swedish Higher Education Ordinance Ch. 7, Sec. 40)

A person meets the specific entry requirements for third-cycle studies in Innovation, Entrepreneurship and Management of Intellectual Capital if he/she has:

- Completed at least 15 higher education credits of coursework related to the field of Innovation, Entrepreneurship and Management of Intellectual Capital.
- Completed a Master's degree project corresponding to at least 15 higher education credits related to the field of Innovation, Entrepreneurship and Management of Intellectual Capital.

Admission and selection

The admission process

Admission to third-cycle studies in Innovation, Entrepreneurship and Management of Intellectual Capital is granted following a special call for applications.

Assessment criteria when selecting between applicants (Swedish Higher Education Ordinance Ch. 7, Sec. 41)

When selecting between applicants who meet the general and specific entry requirements, their ability to benefit from the programme is taken into account. Applicants are assessed primarily based on the following criteria:

- The applicant's analytical skills, as demonstrated via scholarly reports, degree projects or similar documents, but also his/her documented subject-related knowledge and knowledge in relation to scientific theory and method.
- The applicant's letter of intent regarding his/her preferred area of research, in relation to the Department's research domains and supervisory capacity.

Programme disposition and content

The PhD programme in Innovation, Entrepreneurship and Management of Intellectual Capital consists of a course part and a thesis part, together comprising 240 higher education credits. The topic of the doctoral thesis is decided jointly by the PhD student and his/her supervisors.

The student is entitled to supervision in accordance with applicable Department provisions.

Doctoral thesis

The doctoral thesis corresponds to 150 higher education credits and can be designed as a *monograph* or a *compilation thesis*. A compilation thesis consists of a thesis summary and a number of scholarly articles, the quality of which must be comparable to that of articles published in scholarly journals. The results and findings presented in the thesis must be of good international quality.

The doctoral student is to write and present a doctoral thesis, the extent of which shall correspond to 2.5 years of full-time studies, i.e. 150 higher education credits. The thesis project should be initiated before the student has completed all coursework. The thesis is to document

the student's ability to autonomously address a problem in the field of Innovation, Entrepreneurship and Management of Intellectual Capital in a scholarly manner.

Courses

To be considered for doctoral degree, a student must complete 90 higher education credits of coursework, as follows:

- A. Courses and course literature related to innovation and entrepreneurship. The coursework must cover both general knowledge and knowledge regarding more specific research problems of concern to the international research community in the field. PhD students must complete at least 30 higher education credits.
- B. More specialised courses and course literature that support the student's completion of his/her specific thesis project. Relevant courses shall be selected in consultation with the student supervisor. PhD students must complete at least 20 higher education credits.
- C. Methods courses of relevance to social scientific research and the student's thesis project in particular, e.g. in statistics and research methods. PhD students must complete at least 30 higher education credits.

The courses are taught in the form of lectures, seminars and participation in conferences and symposiums, and as independent studies. Student performance is assessed orally, in writing or in other ways as determined by the respective course examiners.

Teaching and learning in higher education, 5 higher education credits

A course in teaching and learning in higher education, 5 higher education credits, can be applied towards a doctoral degree.

Research ethics in higher education, 3 higher education credits

A course in research ethics in higher education, 3 higher education credits, shall be applied towards a doctoral degree.

Transfer of credits

Students may transfer relevant credits obtained at another higher education institution in or outside Sweden following approval by the Head of Department.

Review

The individual study plan shall be reviewed and revised annually in accordance with the University of Gothenburg's rules for third-cycle studies. The student's progression is also monitored via a planning report, a midway report, a final review and the public defence of his/her doctoral thesis.

Planning report

The student is required to develop, present and defend a planning report. This report is the first critical step of the thesis project and should therefore be developed with great care. The development of the planning report should correspond to 10 weeks of the total workload. The report must be presented and defended within one year of the date on which the student was

admitted to the programme. It is reviewed by an external examiner and a senior researcher.

Midway report

The student is required to develop, present and defend a midway report. This report is the second step of the thesis project and the development of it should correspond to 50 % of the total workload. It is reviewed by an external examiner and a senior researcher.

Internal final review

Prior to the public defence of a thesis, it is reviewed internally by at least one teacher with a doctoral degree. To this end, the student presents and defends his/her thesis project internally at a final review event. Following the review, a memo specifying problems in the text and recommended revisions is written.

Public defence

The doctoral thesis must be presented and defended at a public defence event and shall be designed either as a monograph. It is also possible to design the thesis as a compilation of scholarly articles (compilation thesis), written by the PhD student alone together with others.

Transitional provisions

A person who met the general entry requirements for third-cycle studies prior to 1 July 2007 shall be considered to meet the general entry requirements for third-cycle studies also after this date, but only until 30 June 2015.

Students admitted based on an older general syllabus may, if they so wish, change to the present version.

Licentiate degree

Degree of Licentiate of Philosophy. Students who originally planned to conclude their studies with a doctoral degree have the right to instead conclude their studies with a licentiate degree if at least 120 higher education credits have been completed and all other requirements for a licentiate degree have been met. The programme leading to a licentiate degree comprises 60 higher education credits of coursework and a thesis project corresponding to 60 higher education credits, for a total of 120 higher education credits. For a degree of Licentiate of Philosophy, the student must:

- Demonstrate knowledge and understanding of the research field of Innovation, Entrepreneurship and Management of Intellectual Capital, including advanced and up-to-date specialised knowledge in a limited area of this field, as well as in-depth knowledge about research methodology in general and the methods used in the field of Innovation, Entrepreneurship and Management of Intellectual Capital in particular.
- Demonstrate the ability to identify and formulate issues with scholarly precision critically, autonomously and creatively, to plan and use appropriate methods to undertake research and other qualified tasks within predetermined timeframes and thereby contribute to the development of knowledge, and to review and evaluate such work.
- Demonstrate the ability in both national and international contexts to present and

discuss research and research findings clearly in speech and writing and in dialogue with the academic community and society in general.

- Demonstrate the skills required to participate autonomously in research and development work and to work autonomously in some other qualified capacity.
- Demonstrate the ability to make assessments of ethical aspects of his/her own research
- Demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.
- Demonstrate the ability to identify the personal need for further knowledge and take responsibility for his/her ongoing learning.

To be awarded a licentiate degree, the student must have successfully completed a thesis project corresponding to 60 higher education credits.

See separate document for other provisions regarding the licentiate degree.