

Technology-Based Entrepreneurship (I003038)

Course size *(nominal values; actual values may depend on programme)*

Credits 5.0 **Study time 150 h**

Course offerings in academic year 2024-2025

A (semester 1) English Gent

Lecturers in academic year 2024-2025

Temiz, Serdar UPPSAL01 lecturer-in-charge

Offered in the following programmes in 2024-2025

	crdts	offering
International Master of Science in Sustainable and Innovative Natural Resource Management	5	A

Teaching languages

English

Keywords

Position of the course

Technology-based entrepreneurship engages with the creativity and uniqueness of each student to facilitate their own ambitions to materialize a high or deep-tech idea. The course has a solid foundation in theory on entrepreneurship as a disruptive organisation-creation, which stretches to alternative forms of value creation, such as green, social and economic value. The exam is in the form of a group project presented as a film, as well as an individual essay which is advanced in interaction with other students during seminar sessions.

Contents

Basic knowledge about creativity, the innovation system and methods for commercialization that stimulate innovative organisational processes within high-tech entrepreneurial initiatives. Theoretical conceptualization of various forms of entrepreneurship. Analysis of business opportunities as well as start-up and operation of entrepreneurial processes based on new technical knowledge and new technical capabilities. Description of the relationship between research on entrepreneurship and commercialization processes in practice.

Initial competences

120 credits, of which 90 credits in science/engineering. Participation in Industrial Strategy and Organisation or Industrial Management. Proficiency in English equivalent to the Swedish upper secondary course English 6.

Final competences

- 1 On completion of the course, the student should be able to
 - explain and apply knowledge about creativity for innovative organisational processes that underpin entrepreneurial initiatives,
- 2 • with the help of knowledge about the innovation system and methods for commercialization create a hypothetical technology-based entrepreneurship commercialisation,
- 3 • apply various theoretical conceptualizations to analyse various forms of entrepreneurship such as academic entrepreneurship, technology-based entrepreneurship and alternative forms of entrepreneurship
- 4 • critically reflect on the norms that make up the dominant version of entrepreneurship,
- 5 • explain how entrepreneurship research relates to popular cultural

descriptions of entrepreneurship .

Conditions for credit contract

This course unit cannot be taken via a credit contract

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Group work, Seminar, Lecture

Extra information on the teaching methods

Lectures, guest lectures, seminars, and supervision of project work.

Study material

None

References

none

Course content-related study coaching

Assessment moments

end-of-term and continuous assessment

Examination methods in case of periodic assessment during the first examination period

Oral assessment, Presentation, Written assessment

Examination methods in case of periodic assessment during the second examination period

Oral assessment, Presentation, Written assessment

Examination methods in case of permanent assessment

Participation, Presentation

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Extra information on the examination methods

Active participation, i.e. oral presentation and written essay at seminars (3 credits), as well as oral presentation of project work (2 credits).

If there are special reasons for doing so, an examiner may make an exception from the method of assessment indicated and allow a student to be assessed by another method. An example of special reasons might be a certificate regarding targeted pedagogical support from the disability coordinator of the university.

Calculation of the examination mark