

Course syllabus

Third-cycle courses and study programmes

This is a translation of a Swedish document. In the event of a discrepancy, the Swedish-language version shall prevail.

Industry and Academia Collaboration, 1 credit

Samarbete mellan industri och akademi, 1 hp

Course Code/Codes	50DT069
Subject Area	Computer Science
School/equivalent	School of Science and Technology
Valid from	2021-04-01
Approved	2025-05-08
Revised	
Approved by	Head of School
Translation to English, date	
and signature	

1 Course content

This course provides the students with various perspectives on challenges and opportunities of bringing together academia and industry in collaborative research projects. In particular, the focus consists on analysing how such collaboration can be beneficial for both parties, but also which hurdles can be expected to be encountered

2 Outcomes

2.1 The course in relation to the doctoral programme

The course shall primarily refer to the following intended learning outcomes for third-cycle courses and study programmes as described in the Higher Education Ordinance, i.e. the doctoral student shall demonstrate:

Competence and skills

- the ability to identify the need for further knowledge (outcome 7)
- the capacity to support the learning of others (part of outcome 8)

Judgement and approach

- intellectual autonomy and disciplinary rectitude (part of outcome 9)
- specialised insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used (outcome 10)

The intended learning outcomes are listed in the same order as in the general syllabus for the programme.

2.2 Intended course learning outcomes

To obtain a passing grade, the doctoral student shall demonstrate:

Competence and skills

- the ability to identify and describe the research cultures that permeate academia and industry, respectively

- the ability to analyse similarities and differences between the two cultures, both individually and collegially

Judgement and approach

- broad knowledge on driving forces behind academia and industry engagement in research efforts and activities

- the competence to discuss in-depth the effects of collaborative research projects on society, in general, and on the research landscape, in particular

3 Reading list and other teaching material

The following course readings and teaching material will be used on the course:

Anna Ericson Öberg Anna Sannö Mats Jackson, "How to succeed with Co-production: Experiences from industrial researchers," May 2018, ISBN: 978-91-7485-383-4

4 **Teaching formats**

Teaching on the course takes the following format:

A seminar series held approximately bi-yearly, that starts from the first year of the enrollment of the PhD students in the CoAIRob industrial PhD school, and finishes at the end of their enrollment. At each seminar, invited guest speakers are appointed to lecture on the topic of the seminar.

5 Examination

The course is assessed through an examination in the format of

The course is assessed through a series of group discussions and presentations. During each seminar, which is held twice a year, participating students will either:

- present their reflections on the topic of the day, followed by a group discussion in which they engage with each other's perspectives; or

- attend a guest lecture, and subsequently participate in at least two group discussion sessions, focused on the lecture material.

6 Grades

Examinations on third-cycle courses and study programmes are to be assessed according to a twograde scale with either of the grades 'fail' or 'pass' (local regulations).

The grade shall be determined by a teacher specifically nominated by the higher education institution (the examiner) (Higher Education Ordinance).

To obtain a passing grade on examinations included in the course, the doctoral student is required to demonstrate that he/she attains the intended course learning outcomes as described in section 2.2. Alternatively, if the course consists of multiple examinations generating credit, the doctoral

student is required to demonstrate that he/she attains the outcomes that the examination in question refers to in accordance with section 5.

A student who has failed an examination is entitled to a retake.

If an examination consists of several examination components, and a student fails an examination component, the examiner may, as an alternative to a retake, set a make-up assignment with regard to the examination component in question.

A doctoral student who has failed an examination twice for a specific course or course element is entitled, upon his/her request, to have another examiner appointed to determine the grade.

7 Admission to the course

7.1 Admission requirements

To gain access to the course and complete the examinations included in the course, the applicant must be admitted to a doctoral programme at Örebro University.

Moreover, the applicant shall be admitted to the research school CoAIRob within the subject of computer science.

7.2 Selection

Selection between applicants who have been admitted to doctoral programmes at Örebro University and who otherwise meet the admission requirements as listed above is made according to the following order of precedence:

If no other selection criteria are specified in this section, priority shall be given to applicants with a lower number of course credits left before the award of their degree over applicants with a higher number of remaining course credits. Should two or more students have equal number of credits, selection will be done through the drawing of lots. This also applies within any selection groups listed unless otherwise stated.

7.3 Other applicants than doctoral students admitted at Örebro University

Other applicants than doctoral students admitted at Örebro University may be given access to the course on the grounds of provisions for and/or agreements regarding contracted courses, joint degrees, national graduate schools or cooperation in other respects with other universities.

Any decisions on what such other applicants may be given access to the course are made separately and on the basis of the provisions and/or agreements that occasion the student to apply for the course.

For participation in the course in other respects, the same provisions shall apply as for doctoral students admitted to Örebro University.

8 Transfer of credits for courses, study programmes and other experience

Provisions on the transfer of credits can be found in the Higher Education Ordinance and on the university's webpage.

9 Other information

The course is given in English.

Transitional provisions