UNIVERSITY OF BORÅS

Trends in Informatics
Trender inom informatik
7.5 credits
7.5 högskolepoäng

Ladok Code: NTR013
Version: 1.0
Established by: Board of the department 2009-03-26
Valid from: Spring 2009

Education Cycle: Second cycle
Main Field of Study (Progressive Specialisation): Informatics (A1F)
Disciplinary Domain: Natural sciences
Prerequisites: General requirements for university studies (or the equivalent). **These prerequisites do not apply to students within the programme Science without Borders.**
General entry requirements and at least 60 Credits in Informatics as well as a passed course in methodology/theory or the equivalence.
Subject Area: Informatics/Computer and Systems Sciences
Grading Scale: Fail (U), Pass (G) or Pass with Distinction (VG)

Content
The course presents various aspects of current research and practice related to informatics substance, and by document studies of scientific publications in the field, and observation and through experience and ideas from researchers and practitioners in the field. The course covers:

- Informatics research environment and nature
- Research areas for Informatics
- current discussions within the discourses of the informatics field
- practitioners visions of trends in informatics

Learning Outcomes
The course's overall objective is that students will gain insight into the various developments in informatics.

Knowledge and understanding
After completing the course the student is expected to

- explain the various key areas of research in informatics
- discuss informatics research environment and nature
- participate in discussions concerning informatics research to practice

Skills and abilities
After completing the course the student is expected to

- independent comparative academic study, related to the relationship between research and practice
- report their own small study in a qualified research
- critically examine and evaluate scientific articles on the subject Informatics

Judgment and approach
After completing the course the student is expected to demonstrate a critical attitude towards both their own as other research results, and the impact of research on the Informatics practice areas.

Forms of Teaching

The teaching consists of seminars and lectures on research and professional issues, the last of the seminar is in the form out of a scientific conference. The teaching includes a project in which students independently seek empirical material to be analyzed and set against the research presented during the course. The result of the project is presented in the form of a qualified research report on the last seminar. The lectures are in English, and the literature is in English.

Forms of Examination

The course is examined through the following phases:

- Active participation in seminar discussions
- Written report of the project - a qualified research article
- Presentation of and discussion about the article at a seminar

  The article is graded according to common criteria for peer reviews of articles for scientific conferences. For the grade of Pass is required that the grading of the article achieves at least "accepted", and that presentation and discussion of the article at the final seminar has been done.

  For the grade Pass with Distinction is also required active participation of the other seminar discussions and a higher rating than the "accepted" the article. The final grade for the course is given by a combination of the grading of the article, and an assessment of the presentation and discussion at the final seminar.

  The students' rights and obligations of the examination follow the guidelines and regulations at the University College of Borås.

Student rights and obligations at examination are in accordance with guidelines and rules for
the University of Borås.

Literature and Other Teaching Materials

Choice of literature is made in consultation with the teachers. The literature consists of scientific articles related to the aspect of research and / or work experience student deals with in his/her own article.

Student Influence and Evaluation

It is important that students may express their views on the course. Therefore, rate values is done through an anonymous survey after the course. Student feedback is then part of the course evaluation, compiled by the course teacher and which also includes the inclusion of teachers views and examination results. The evaluation is published in accordance with the institution's rules and will be the basis for future tuition and education planning.

Miscellaneous

The course is given at the Master's programmes in informatics. The course will also be given as a stand-alone course.