

**Advanced Research theory and Methodology in Informatics, 7,5 HE credits**  
*Avancerad forskningsteori och metodik i informatik, 7,5 hp*

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Established: 2021-06-02

Established by: School of Business, Economics and IT

Applies from: V22

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**Learning outcomes**

**The students should demonstrate in-depth knowledge and understanding of:**

- scientific and theoretical approaches
- theories relevant for Informatics
- ethical principles in scientific work.

**The students should demonstrate their skill and ability to:**

- in an in-depth way, analyze both qualitative and quantitative research empirical data
- critically review scientific articles
- conduct independent planning of both quantitative and qualitative research studies, where problems, approaches, and methods are linked in a consistent and reflective manner.

**The students should demonstrate their ability to value and judge:**

- ethical aspects in scientific studies.

**Entry requirements**

Students must hold a Bachelor's degree in science or engineering in the computing field, or in social science with an explicit focus on information and communication technology, e.g.: computer science, software engineering, information systems, informatics, media technology or data communication or the equivalent. An essential prerequisite for both students from Swedish universities and students from non-Swedish universities is good knowledge of English, both orally and in writing. Specific eligibility in the English language from upper secondary school for non-Swedish students, and students who do not have English as their native language.

**The forms of assessment of student performance**

Examination takes place with individual oral and written assignment.

**Course contents**

Handling theory and method in addition to scientific approaches

### **Other regulations**

Course grading: F/Fx/E/D/C/B/A - Insufficient, Insufficient- more work required before the credit can be awarded, Sufficient, Satisfactory, Good, Very Good, Excellent

Course language: The teaching is conducted in English.

General rules pertaining to examination at University West are available at [www.hv.se](http://www.hv.se).

If the student has a decision/recommendation on special support due to disability, the examiner has the right to examine the student in a customized examination form.

### **Cycle**

Second cycle

### **Progressive specialization**

A1N - second cycle, has only first-cycle course/s as entry requirements

### **Main field of study**

Informatics