UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Scientific Methods G2F

7.5 credits

Course code: IT624G
Version number: 3
Valid from: 1 January 2026
Ratified by: Curriculum Committee for Informatics
Date of ratification: 12 June 2025

1. General information about the course

The course is provided by the University of Skövde and is named Scientific Methods G2F (Vetenskapliga metoder G2F). It comprises 7.5 credits and is a first-cycle course. The level of progression is G2F.

The course is a part of the main field of study in Informatics. The disciplinary domain of the course is Technology.

2. Entry requirements

The course has the following entry requirements: passed courses of at least 60 credits in informatics.

3. Course content

The course provides knowledge about basic concepts and strategies in scientific research, with an emphasis on providing the student with practical experience of collection and analysis of data using both quantitative and qualitative methods within the field of informatics.

4. Objectives

After completion of the course, the student shall be able to:

- give an account of the methodological foundations that are relevant for scientific investigations and projects within the field of informatics,
- collect and analyse data using subject-appropriate methods, and
- critically reflect upon and discuss method choices in relevant research publications.

5. Examination

The course is graded VG (Pass with distinction), G (Pass) or U (Fail).

The examinations of the course consist of the following modes of assessment:

- **Supervised written examination**
  4 credits, grades: VG/G/U (determines the final grade)
- **Group assignement**
  2 credits, grades: G/U
- **Active participation in seminars**
  1.5 credits, grades: G/U

Students with a permanent disability who have been approved for directed educational support may be offered adapted modes of assessment.

6. Types of instruction and language of instruction

The teaching is comprised of lectures and seminars.

The teaching is conducted in English.

7. Course literature and other educational materials

Ormrod, J. E. (2023). *Practical research: Design and process, global edition* (13th ed.). Pearson. ISBN 9781292449586.

Additional literature according to the instructions in the course page on the learning platform.

8. Student influence

Student influence in the course is ensured by means of course evaluation. The students are informed about the results of the evaluation and potential measures that have been taken or are planned, based on the course evaluation.

9. Additional information

The content of the course corresponds completely or partially with the following course(s) and cannot be included in the required credits of a degree qualification:

- IT506G - Network and System Administration - Research and Development G2F 15 credits
- IT526G - Network- and Systems Administration - Scientific Methods G2F 7.5 credits

Further information about the course, as well as national and local governing documents for higher education, is available on the website of the University of Skövde.