UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

## COURSE SYLLABUS

# Computer Forensics G1F

### 7.5 credits

**Course code:** IT374G
**Version number:** 10
**Valid from:** 1 July 2024
**Ratified by:** Curriculum Committee for Informatics
**Date of ratification:** 16 May 2024

## 1. General information about the course

The course is provided by the University of Skövde and is named Computer Forensics G1F (IT-forensik G1F). It comprises 7.5 credits and is a first-cycle course. The level of progression is G1F.

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 prerequisites are at least 30 credits in finished courses in the subject area Informatics.

## 3. Course content

The course is divided into one theoretical and one practical part. The theoretical part introduces methods and tools within the area as well as legal aspects relating to digital forensics in criminal investigations. The practical part gives the student an opportunity to apply the theoretical knowledge by conducting computer forensics examinations on non-volatile storage devices and by conducting live forensics examinations.

## 4. Objectives

After completed course the student should be able to:

- describe the fundamental concepts in computer forensics,
- perform and document a computer forensic examination of non-volatile digital storage devices, and
- perform and document a live forensic examination.

## 5. Examination

The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

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

- **Laboratory assigment**
  4 credits, grades: A/B/C/D/E/F (determines the final grade)
- **Unsupervised written examination**
  2.5 credits, grades: G/U
- **Seminar assignment**
  1 credit, 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 laboratory sessions, workshops and lectures.

The teaching is conducted in English.

## 7. Course literature and other educational materials

Kävrestad, J., Birath, M., Clarke, N. (2024). *Fundamentals of digital forensics: A guide to theory, research and applications* (3rd ed.). Springer. ISBN 9783031536489. DOI: 10.1007/978-3-031-53649-6

## 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

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.