



UNIVERSITY  
OF SKÖVDE

## COURSE SYLLABUS

# Linux Administration G1F

7.5 credits

TRANSLATION FROM SWEDISH

**Course code:** IT387G

**Version number:** 5

**Valid from:** 1 January 2020

**Ratified by:** Curriculum Committee for Informatics

**Date of ratification:** 29 May 2019

## 1. General information about the course

The course is provided by the University of Skövde and is named Linux Administration G1F (Linux-administration 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. It can also be a part of the main field of study in Computer Science and Informatics. The disciplinary domain of the course is Technology.

## 2. Entry requirements

The course has the following entry requirements: passed IT115G Computer Fundamentals G1N (or the equivalent).

## 3. Course content

The course provides knowledge on how Linux systems work and get administrated. The course consists of lectures and practical parts which aim for giving the students skills in Linux such as working on various administrative tasks in changing Linux environments. This includes the installation, configuration, and documentation of systems based on Linux platforms.

## 4. Objectives

After completed course the student should be able to:

- describe the fundamental mechanisms in Linux,
- describe and discuss the area's development and the area's central concepts,
- use tools such as schedulers and configuration management software to facilitate and automate administrative tasks, as well as
- install, configure, and document a Linux system.

## 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:

- **Assignment**  
4 credits, grades: G/U
- **Examination**

3.5 credits, grades: A/B/C/D/E/F (determines the final grade)

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

## **6. Types of instruction and language of instruction**

The teaching is comprised of lectures and supervision.

The teaching is conducted in English.

## **7. Course literature and other educational materials**

Nemeth, E. et al. (2017). *Unix and Linux system administration handbook* (5th Edition). Boston: Addison-Wesley/Pearson. ISBN 9780134277554.

Red Hat Engineering Content Services m.fl. (2014). Red Hat Enterprise Linux 7 Product Documentation.

## **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:

- DA313G - Unix - Administration 7.5 hp

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.