

**SYLLABUS**

# **Testing IT-systems 7.5 credits Z0011E**

**Test av IT-system**

**Course syllabus admitted: Spring 2022 Sp 3 - Present**

**DECISION DATE  
2021-04-28**

# Testing IT-systems 7.5 credits Z0011E

## Test av IT-system

### First cycle, Z0011E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	Informatik	Informatics/Computer and Systems Sciences

## Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and basic courses in programming, for example D0019N Software Development with Java or analogous knowledge acquired through other courses or proved practical work.

## Selection

## Examiner

Anna Ståhlbröst

## Course Aim

After the course the student will be able to

- describe and exemplify the parts of the test process
- use and choose from different techniques to design test cases
- describe roles, competencies and responsibilities linked to different test phases
- identify and document priorities and risks
- perform tests
- document the test process and its results (test plan, test case and test report)

## Contents

The course content focuses on how test activities should be planned, implemented and documented. Including areas such as: What a test is, and why it is important to test IT-systems. General guidelines and methods of testing, are addressed, as well as the different test phases and types of tests. The course focuses on the process of planning and conducting tests as well as formulating recommendations to address the weaknesses identified.

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The course is conducted as a campus and distance course. A learning platform is used for sharing course material, information and submissions. Knowledge is shared and created within the course through virtual meetings and at campus with teachers and other students for discussions, supervision, teamwork and seminars. Student learning takes place through teacher-led lessons, laboratory work, self-study, individual assignments and group assignments

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. The course is examined through a written individual exam and a written group assignment.

## Literature. Valid from Spring 2022 Sp 3

Title: Praktisk mjukvarutestning  
Author: Eva Holmquist  
ISBN: 9789144117775  
Revision: 1  
Year Published: 2018  
Pages:232

## Course offered by

Department of Computer Science, Electrical and Space Engineering

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Group assignment	U G#	3	Mandatory	S22	
0002	Written exam	U G VG	4.5	Mandatory	S22	

## Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

## Syllabus established

by Jonny Johansson, HUL SRT 2021-04-28