

# Test

## Introduction

Testing software ... well I guess this lecture needs no introduction. After all, who wants buggy software? So, let's make sure, using tests, our software isn't buggy.

## Purpose

Introduce the student familiar to the concepts of Unit test, Black box test and test automation.

Get a hands-on experience of writing tests.

## Requirements

Function Dynamic-memory

## Videos

No videos

## Reading instructions

Wikipedia links:

- [https://en.wikipedia.org/wiki/Black-box\\_testing](https://en.wikipedia.org/wiki/Black-box_testing)
- [https://en.wikipedia.org/wiki/Unit\\_testing](https://en.wikipedia.org/wiki/Unit_testing)
- [https://en.wikipedia.org/wiki/Test\\_automation](https://en.wikipedia.org/wiki/Test_automation)

## Goal

The student shall have a understanding and practical experience of the importance of writing tests, how unit tests and black box tests are written so they can be automated.

## Exam instructions

ou may be asked to write unit tests for a function.