## Functional Programming 1 (1DL330)

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# Programming without variables, loops and mutable state.

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Think different.

Functional programming is not only different but also **widely used**, both in Sweden and abroad.



### Course Structure

- Period 1
- ► 5 hp
- ► Flipped classroom (pre-recorded videos, live Q&A sessions)
- 5 assignments (group and individual, with lab sessions and instant automatic feedback)

#### Contents

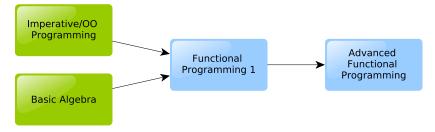
- Recursion
- Inductive data types
- Polymorphism
- Higher-order functions
- Modules
- Functional algorithms



If you don't know what these are yet: great! Learning about them is the whole point of the course.

Guest lecture: Functional programming in industry

### Entry Requirements





If you have taken a course on functional programming before, it is not recommended that you take FP1. Instead, consider taking Advanced FP in period 2.

"This course was one of the best courses that I ever had."

Student feedback