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## Functional Programming – ST 2024

### Reading Guide 0: Overview and Tooling

## Note

The learning objectives indicate what is expected of you in the exam. In principle it does not matter which material you consult to achieve the learning objective. The deadline allows you to meaningfully participate in the exercises.

Solving the exercises is voluntary. The exercises in this guide present tools and as such are elementary for subsequent course material. In addition these tools are an immense help for solving the exercises.

You are free to proceed to the next unit, as soon as you complete this one.

**Timeline:** This unit should be completed by 15.04.2024.

## 1 Material

- The Clojure Toolbox <https://www.clojure-toolbox.com/>
- Deps and CLI Reference [https://www.clojure.org/reference/deps\\_and\\_cli](https://www.clojure.org/reference/deps_and_cli)
- REPL: Material/intro.zip
- Revision (4Clojure): <https://4clojure.oxal.org/>
- Revision (Learning Videos): <https://mediathek.hhu.de/playlist/1381>
- Revision (REPL Sessions): <https://github.com/pkoerner/functional-programming-course>

## 2 Learning Outcomes

After completing this unit you should be able to

- describe what the presented libraries are useful for.
- use the Clojure CLI tools.

## 3 Exercises

### Exercise 0.1 (Tool Setup)

- a) Install the Clojure CLI Tools. Start a REPL-session using `clj` as well. Integrate it in your editor.
- b) Make sure that `lein` as well as your editor setup (REPL plug-in and Paredit) is still installed and working.

## Questions

If you have any questions, please contact Philipp Körner ([p.koerner@hhu.de](mailto:p.koerner@hhu.de)) or post it to the Rocket.Chat group.