**Software Engineering. Topics. Weeks with elements of control are highlighted.**

Week 1, 27.02: Introductory lecture.

Week 2, 05.03: Models of software engineering

Week 3, 12.03: Modeling with basic elements of Python: data structures, loops, strings

Week 4, 19.03: Discussing project design using string preprocessing and computation of word frequency as examples

Week 5, 26.03 Team building. Analyzing texts with a spam-filter as an example. Parsing

Week 6, 09.04:Tricks to deal with servers (be like human, proxies, API)

Week 7, 16.04: Back end. First chatbot

Week 8, 23.04: Linking the essence of a project to back end: Parsing Covid data with the telegram bot

Week 9, 30.04: Defining a model: Simple statistics answering whether the first baby comes earlier.

Week 10, 06.05: Guest lecture. Cybersecurity

Week 11, 13.05: Defining a model: Data processing with pandas. Visualization with matplotlib.

Week 12, 20.05: Testing with the game: race to 100

Week 13, 26.05: Example of projects. Tic-tac-toe

Week 14, 03.06: Quality of projects. Interpolating and extrapolating bitcoin data

**Week 15, 10.06: Exam**