Midterm Coverage

**Midterm Date:** October 18th, 2023

**Time:** 17.45 – 19.15

**Type of exam:** In person

Question style similar to assignment #1, assignment #2 (will be posted this week)

In general: questions are mostly comprehension, less on memorization.

Reading material is there to supplement the lecture notes and help in the understanding – except if explicitly mentioned that a paper is required then it is part of the exam.

For all the points below – you should be able to answer:

- Why and how?

- What is it and how are different topics below related

- What are advantages/limitations?

* Software aging – why, what is it
* Requirements evolution
* Types of maintenance
* Software evolution what is ?
* Software traceability
* Software repositories
* Mining Software Repositories
* Static source code analysis
* Program slicing: Be able to compute a slice, identify the dependencies.
  + Static Backward/Forward
* Technical Debt
* Software Clones
* Dependency Management
* Continuous Integration