

## 4DV608 – Advanced Software Design Assignment 0

### **Discussion papers**

You are asked to read two papers and prepare answers to some questions. You must do this individually (NO Teamwork).

Reading these historical papers are a preparation for lectures. The purpose is that you should understand the context for advanced software design research and practice.

Your answers should not exceed 1000 words (app. 2 pages, 12pt Time New Roman single sp.)

### **Task 1 – Dependable and Secure Computing**

Read the paper “Basic Concepts and Taxonomy of Dependable and Secure Computing”. Reflect on the impact it has on software design in general. Enumerate three core problems and for each problem two to three possible mitigations.

### **Task 2 – Software rejuvenation**

Read the paper “A comprehensive approach to optimal software rejuvenation”. Reflect on the software rejuvenation. Enumerate at least two problems that you recognize and describe when you experienced this and how you found a workaround.