COURSE DETAIL

SOFTWARE ENGINEERING AND ARCHITECTURE

Country
Denmark

Host Institution
University of Copenhagen

Program(s)
University of Copenhagen

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
119

UCEAP Course Suffix

UCEAP Official Title
SOFTWARE ENGINEERING AND ARCHITECTURE

UCEAP Transcript Title
SOFTWARE ENGR&ARCH

UCEAP Quarter Units
12.00

UCEAP Semester Units
8.00

Course Description

This course provides an overview of the different aspects and stages involved in the engineering of software with a special focus on architectural properties of large systems. Assuming that course participants are acquainted with basic software development principles, this course provides knowledge on and experience with the wider aspects and stages in the lifecycle of a (large) software system. It introduces the general principles of software engineering, methods for addressing software engineering problems, common tools and techniques for solving software engineering problems, and methods, tools, and techniques for designing software systems and their architecture. Topics include: project management; requirements elicitation; architectural analysis,
description, synthesis, prototyping & evaluation; software design and development; software implementation; quality assurance; maintenance and evolution; software business.

Language(s) of Instruction
English

Host Institution Course Number
NDAK20001U

Host Institution Course Title
SOFTWARE ENGINEERING AND ARCHITECTURE

Host Institution Course Details
https://kurser.ku.dk/course/ndak20001u/2024-2025

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department

Computer Science

Course Last Reviewed

2024-2025

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