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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