COURSE DETAIL

SOFTWARE ENGINEERING
Country Ireland
Host Institution Trinity College Dublin
Program(s) Trinity College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 142
UCEAP Course Suffix
UCEAP Official Title SOFTWARE ENGINEERING
UCEAP Transcript Title SOFTWRE ENGINEERING
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course provides students with a solid grounding in various aspects of software engineering process related to building large software systems. The course covers various aspects related to building software systems ranging from the use of software lifecycle models, to project management, to large-scale software architectures. Specifically, software lifecycle models, including variations of the waterfall and spiral models as well as extreme programming and agile, are introduced along with concepts that are relevant to the specific model stages. These concepts include domain analysis, requirements and specification analysis, testing and debugging, and version control. Moreover, strategies for managing large software projects and their contracts as well as project teams are presented and contrasted.

Language(s) of Instruction
English

Host Institution Course Number
CSU33012

Host Institution Course Title
SOFTWARE ENGINEERING

Host Institution Course Details
https://teaching.scss.tcd.ie/module/csu33012-software-engineering/

Host Institution Campus

Host Institution Faculty
School of Computer Science and Statistics

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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