COURSE DETAIL

DESIGN OF EMBEDDED SYSTEMS

Country
Sweden

Host Institution
Lund University

Program(s)
Lund University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Engineering Computer Science

UCEAP Course Number
158

UCEAP Course Suffix

UCEAP Official Title
DESIGN OF EMBEDDED SYSTEMS

UCEAP Transcript Title
DESGN EMBEDED SYSTM

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course gives a general introduction to embedded system design which can be implemented using System-on-Chip technology. This kind of embedded systems contains both hardware and software components and therefore a hardware/software co-design is emphasized. The course gives a basic knowledge on specification methods, design representations (computational models) as well as related design methods. Special emphasis is placed on interface synthesis and low-power design methods.

Language(s) of Instruction
English

Host Institution Course Number
EDAN15

Host Institution Course Title
DESIGN OF EMBEDDED SYSTEMS

Host Institution Course Details
https://cs.lth.se/edan15/course-plan/

Host Institution Campus

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2021-2022

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