Courses in English
Course Description

Department 07 Computer Science and Mathematics

Course title Event Driven Systems

Hours per week (SWS) 4

Number of ECTS credits 5

Course objective Achieve competencies in designing, modeling, implementing and debugging event driven software based on various state machine architectures. Course focus is on pursuing a generic approach allowing diverse execution environments, operating systems, real-time frameworks and programming languages (C, C++).

Prerequisites Fundamentals of Embedded Systems


Teaching methods Lecture Slides, Beamers, Whiteboards, Team / Project based Learning, Self-regulated-learning, Hands-on-Learning, coupled with Small Teams and Pair Teaching

Assessment methods Grading based on successful project work (40%) and final exam (60%)

Language of instruction English

Name of lecturer Dr. Ronald Barker

Email barker@hm.edu

Course content Course work is performed on modern HW platforms (ARM) supporting on chip peripherals and HW debugging

Remarks