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 archite-tures. Course focus is on pursuing a generic approach allowing diverse exec-tion environments, operating systems, real-time frameworks and programming languages (C, C++). .
Prerequisites	Fundementals of Embedded Systems
Recommended reading	978-0750687065 Samek, Miro: Practical UML Statecharts in C/C++: Event-Driven Programming for Embedded Systems, Butterworth Heinemann; 2. Edition 2008
Teaching methods	Lecture Slides, Beamers, Whiteboards, Team / Project based Learning, Self-regulated-learning, Hands-on-Learning, couped with Small Teams and Pair Teaching
Assessment methods	Grading based on sucessful project work (40%) and final exam (60%)
Language of instruction	English
Name of lecturer	Dr. Ronald Barker
Email	barker@hm.edu
Link	
Course content	Course work is performed on modern HW platforms (ARM) supporting on chip peripherals and HW debugging
Remarks	