

Course Description – Summer 2020

Title	Electronic Control Systems
Faculty	Electrical Engineering
Professor	Prof. Dr. Maria Schweigel
ECTS	5
Level	Bachelor
Requirements	-
Add. Information	https://www.hs-schmalkalden.de/hochschule/fakultaeten/fakultaet-elektrotechnik/internationales-f-et/international-students.html
Content	The students get an overview about different electronic control systems like plc, soft plc and embedded systems. Especially they learn about usage, structure, characteristics and requirements of embedded systems. Furthermore the design and testing as well as software of typical embedded systems will be part of the lecture. The students get to know the requirements, problems and the actual development on autonomous electronic systems. The practice part teaches the basics of G programming in LabView a system development environment for control electronic systems. The student can practice the learned content on PC and program small till middle LabView Vis(programs) by their own.