

Course Description – Winter 2023/24

Title	Automatic Control
Faculty	Electrical Engineering
Professor	Prof. Dr. Maria Schweigel
ECTS	5
Level	Bachelor
Requirements	Computer/Laptop with Windows operating system
Add. Information	https://www.hs-schmalkalden.de/hochschule/fakultaeten/fakultaetelektrotechnik/internationales-f-et/international-students.html
Content	<p>In theoretical part, the students learn elementary methods of automation technology, basic terms, standards and modes of operation of equipment in the field of automation technology as well as the structure and components of automation plants. After the lecture, students should be able to describe simple plants and production processes in an understandable way.</p> <p>In practical part the students gain experience in the field of PLC programming by solving controlling tasks of sorting plant on virtual SIMATIC S7-1500. The supervised but independent work on configuration, programming and visualization tasks makes the students able to find and realize independently a solution for an automation problem.</p>