Courses in English
Course Description

Department	07 Computer Science and Mathematics
Course title	**Robotic Process Automation (RPA)**
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	The students will get an introduction of process optimization and the positioning and classification of the IT platforms which are related to this topic. We will have a closer look at the topic of software-based Robotic (RPA) systems. Typical use cases within the economy and especially in the finance and insurance industry, we will discuss. Evaluation criteria to find the right system and as well the discussion about challenges that need to be understood when systems like that are planned to roll out within an organization are part of the lecture. Based on small projects, the students will go through the whole implementation cycle and will get a hands-on understanding of using an RPA system. In the context of the project, the teams are grouped up to 4 students; they will improve their methodological skills in the project- and teamwork.
Prerequisites	Basic skill in computer scieneces, software engineering and software development (Java or .net)
Recommended reading	n.a.
Teaching methods	Seminare and hands-on project work
Assessment methods	Project documentation and final presentation of the implmentation
Language of instruction	English
Name of lecturer	Jana Bulkin
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Link	
Course content	- Overview RPA - Best practice: Discussion and categorization of the relevance for the economy - Definition of the projects, scoping and discussion - self-contained implementation of the project within the team - Presentation (Pitch Deck) of the results, Disputation of the project and result
Remarks	hands-on based on UiPath / Oprating System: Windows / for Mac Virtualization environment needed (e.g. Virtual Box)