TH Aschaffenburg
university of applied sciences

Robotics Lab

Course number:	5651
Hours per week:	2
ECTS:	2
Scheduled:	Winter term
Format:	Lab Course will be graded: passed/not passed
Examination:	Students' contribution during the term and the result of their practical work is evaluated, proof of academic achievement/attendance certificate
Lecturer:	Prof. Dr.-Ing. Alexander Czinki, B. Eng. Christian Rudolf
Objectives:	Students shall gain: - a general understanding of the abilities and operation modes industrial robot systems - general abilities that allow them to program a robot system (offline simulation, classical programming) - gain experience in practical use of industrial robot systems
Contents:	Introduction to robotics Programming industrial robots in virtual environments (Lab practice) Programming industrial of robots in a real-world environment (Lab practice) Fields of application for industrial robots
Pre-requisites	- proper knowledge of English - basic programming abilities
Recommended Reading:	Springer Handbook of Robotics, Jun 27, 2008 by Bruno Siciliano and Oussama Khatib