

## Overview courses offered by the Chair of Dynamics and Control

(Head: Univ.-Prof. Dr.-Ing. Dirk Söffker) (valid from Winter 2019/20, Information update Sept. 2019)

	<b>Courses</b> (Lecture/Exercise/Practical Exercise/Seminar) (in SWS hours)	L/E/P/S	ECTS*	Prof. / Doc.	Remarks
<b>Winter term</b>					
Bachelor	Systemdynamik	1/1/0/0	2	Bakhshande/Söffker	Partially blocked (6-8 weeks)
	Systemdynamik und Regelungstechnik - Praktikum	0/0/1/0	1	Söffker	3 labs in 2 terms, registration in winter
	Control Engineering	2/1/0/0	4	Rothe/Söffker	Partially blocked (6-8 weeks)
	System Dynamics and Control Engineering - Practical Exercise	0/0/1/0	s.u.	Söffker	s.u.
	Teamprojekt	0/0/1/0	2	Söffker	
	Praxis Project (> 'Small thesis work')	0/0/5/0	6	Söffker	
Master	Control Theory	3/1/0/0	5	Söffker	Regular duration
	Control Theory Practical Exercise	0/0/1/0	1	Söffker	3 labs in 1 term
	Functional Safety	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Qualitative Methoden der Regelungstechnik 2: Automaten und Netze	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Notlauf und Diagnose mechatronischer Systeme	2/1/0/0	4	Söffker/Wolters	Blocked
	Prozessautomatisierungstechnik	2/1/0/0	4	Jelali	Partially blocked (6-8 weeks)
	Advanced Control Lab 1	0/0/3/0	4	Söffker	3 labs in 1 term
	Mechatroniklabor	0/0/3/0	4	Söffker	
Machine Lab	0/0/3/0	4	Söffker		
<b>Summer term</b>					
Bachelor	Regelungstechnik	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Systemdynamik und Regelungstechnik - Praktikum	0/0/1/0	s.o.	Söffker	s.o.
	System Dynamics	2/1/0/0	2	Söffker	Partially blocked (6-8 weeks)
	System Dynamics/Control Engineering Practical Exercise	0/0/1/0	1	Söffker	3 labs in 2 terms, registration in summer
	Sensorik und Aktorik	2/1/0/0	4	Söffker (Aktorik)	Regular duration
	Sensorik und Aktorik - Praktikum	0/0/1/0	1	Söffker	3 labs in 1 term
	Praxis Project (> 'Small thesis work')	0/0/5/0	6	Söffker	
Master	Regelungstheorie	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Regelungstheorie - Praktikum	0/0/1/0	1	Söffker	3 labs in 1 term
	Antriebstechnik	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Kognitive Technische Systeme	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Diagnosis and Prognosis	2/1/0/0	4	Söffker	Partially blocked (6-8 weeks)
	Qualitative Methoden der Regelungstechnik 1: Steuerungstechnik	2/1/0/0	4	Owino/Söffker	Blocked
	Advanced Control Lab 2	0/0/3/0	4	Söffker	3 labs in 1 term
Mechatroniklabor (auf Anfrage)	0/0/3/0	4	Söffker		

\* Subject to alterations. Binding ECTS-points are listed in the relevant lecture catalogues.