

Wintersemester 2024/25

Course	<p>Practical Exercise System Dynamics und Control Engineering (1P)</p> <p>consisting of three experiments (Scripts in german language):</p> <ul style="list-style-type: none"> • Modellbildung und Simulation (ms) (SoSe) • Druckregelung (dr) (SoSe) • Elektrohydraulisches Servosystem (hs) (WiSe)
Attendance mandatory:	Students Mechanical Engineering (ISE) Bachelor
URL of the course	https://moodle.uni-due.de/course/view.php?id=10139
Examiners	Ph.D. students/scientific co-workers
Coordination	Mazen Zeno, M.Sc., praktikum-srs@uni-due.de
Attestation	<p>In WiSe24/25, the attestation will be realized by an online test in the Moodle course at the university (in presence), no exception possible. Be aware of the related room announcement.</p> <p>The realization will take place via:</p> <ul style="list-style-type: none"> - An assignment to the group of admitted participants (prerequisite: registration at the examination office in summer and successful participation at the SD part of the practical exercise) - Temporally limited execution of the Moodle attestation <p>You have to succeed the central attestation for the experiments in System Dynamics (in summer term) and one central attestation for the experiment in Control Engineering (in winter term) in order to participate at the labs. The attestation is only offered at the mentioned date. There is no (!) possibility to change the attestation date or to repeat the attestation in the same term. Resit of this attestation is in the first semester week of the following term. Participation at the labs without a successfully passed attestation is not possible.</p>
Attestation date	<p>System Dynamics resits (ms/dr): First week of the semester, check announcements</p> <p>Control Engineering (hs): November 25th, 2024 at 8:00 am</p>
Execution of the labs	<p>The experiment hs is held at the university in presence and in English language.</p> <p>The participants are grouped and assigned to fixed lab dates. A central date exchange service by the chair will not be</p>

	<p>provided, but a change-of-dates-forum is arranged in moodle. The participants are allowed to switch their appointments with another accepted student on their own risk. If the switching party does not participate, the original advised student loses the right to participate. The doctoral candidate conducting the lab has to be informed at the beginning of the experiment about a date's switch. All participants will be checked if their participation is accepted. Not accepted students are not allowed to take part.</p>					
Lab dates	<p>System Dynamics resits (ms/dr): First and 2nd week of the semester, please check announcements</p> <p>Control Engineering (hs): December 6th, 2024 - January 31st, 2025</p>					
Place (Labs)	hs: MB 025					
Lab days	Daily					
Time	Appointments between 8.00 am - 05.00 pm					
Consulting hours	Thursday, 10.00 am - 11.30 am, Registration in Moodle					
Material	<p>Moodle: Practical Exercise System Dynamics and Control Engineering – P-SDCE</p> <p>https://moodle.uni-due.de/course/view.php?id=10139</p> <p>The password can be requested via the e-mail address srs-pw@uni-due.de.</p> <p>The subject must contain only the word PrSC.</p>					
Registration	<p>The mandatory registration at the examination office <u>was</u> realized in the <u>past</u> summer semester. This registration is valid also for the lab of Control Engineering in the <u>current</u> winter term. An anew registration in the winter term is neither necessary nor possible. ONLY officially registered participants are allowed to take part in the attestation.</p> <p>For participating in the CE part of the P-SD/CE lab DO NOT register in this semester!</p> <p>A deregistration is only possible via email to praktikum-srs@uni-due.de latest 1 week (full 7 days) before the attestation date. Nonappearance leads to the grading fail for all three experiments. After participation at the attestation a deregistration from the entire practical exercise is not possible.</p>					
Grading / fail	<p>Your performance will be graded:</p> <table border="1"> <thead> <tr> <th>Criteria</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>- All attestations (SDe, CE) were successful at the first attempt and</td> <td rowspan="2">1,0</td> </tr> <tr> <td>- Active participation at the labs.</td> </tr> </tbody> </table>	Criteria	Grade	- All attestations (SDe, CE) were successful at the first attempt and	1,0	- Active participation at the labs.
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	<ul style="list-style-type: none"> - One attestation failed once and successfully passed in the second attempt or - Passed attestations but passive participation at the lab. 	3,0
	<ul style="list-style-type: none"> - Two attestations failed, or - Nonappearance/delay. 	5,0 (failed)
<p>Graded with 5,0 (failed), all experiments and the attestations have to be repeated. Grades will be reported to the examination office like other examination results.</p> <p>The experiments have to be completed within one calendar year (in the sequence System Dynamics – Control Engineering). Single labs of earlier terms expire. Grades are 1,0 or 3,0, or all experiments have to be repeated completely.</p> <p>The pass of the practical exercise is connected with:</p> <ol style="list-style-type: none"> 1) Attestation: Each participant has to succeed the attestations for the experiments in order to participate at the labs. 2) For each student it is checked whether the requirements for participation in the attestation are fulfilled. The Moodle attestation can only be opened, if all requirements are fulfilled. 3) For verification of your identity you have to show your Student-ID, or your passport, or your Aufenthaltstitel in the beginning of the labs. If the ID cannot be accepted or is not correct, the student loses the right to participate. 4) Presence: The exercise starts exactly at the announced time. Participants who are not present until 5 minutes after start of the exercise will be graded as being "not present", regardless of reasons. Nonappearance leads to the grading fail for all three experiments. 5) Active participation at the practical experiment. 		
Further information	<p>It is strongly recommended to conduct the experiments in the proposed order and terms because failed attempts lead to worse grades or failed trials.</p>	