

Wintersemester 2019/20

<b>Course</b>	<p><b>Practical Exercise System Dynamics und Control Engineering (1P)</b></p> <p>consisting of three experiments (Scripts in german language):</p> <ul style="list-style-type: none"> <li>• Modellbildung und Simulation (ms) (<b>SoSe</b>)</li> <li>• Druckregelung (dr) (<b>SoSe</b>)</li> <li>• Elektrohydraulisches Servosystem (hs) (<b>WiSe</b>)</li> </ul>
<b>Attendance mandatory:</b>	Students Mechanical Engineering (ISE) Bachelor
<b>URL of the course</b>	<a href="http://www.uni-due.de/srs/v-ce-an1-Praktikum.shtml">http://www.uni-due.de/srs/v-ce-an1-Praktikum.shtml</a>
<b>Examiners</b>	Ph.D. students/scientific co-workers
<b>Coordination</b>	Dr.-Ing. Sandra Rothe, praktikum-srs@uni-due.de
<b>Attestation date</b>	<p><b>System Dynamics resits (ms/dr):</b> October 14th, Room MC 122/MD 162</p> <p><b>Control Engineering (hs):</b> December 2nd, Room MC 122/MD 162</p> <p><b>Exact times and seat numbers are published in advance on our homepage.</b></p>
<b>First lab dates</b>	<p><b>System Dynamics resits (ms/dr):</b> 43rd calendar week</p> <p><b>Control Engineering (hs):</b> 50th calendar week</p>
<b>Last dates</b>	5th calendar week 2020
<b>Place (Labs)</b>	MB 323 (ms), MB 325 (dr), MB 025 (hs)
<b>Lab days</b>	Daily
<b>Time</b>	Appointments between 8.00 am - 05.00 pm
<b>Consulting hours</b>	Thursday, 10.00 am - 11.30 am, MB 326
<b>Scripts</b>	Scripts for each experiment are located on the SRS homepage. Those have to be worked through until the attestation date as they are the basis for the attestation.
<b>Attestation</b>	You have to succeed one central attestation for the experiments in System Dynamics and one central attestation for the experiment in Control Engineering in order to

	<p>participate at the labs. The attestations are only offered at the a.m. dates. Participation at the labs without a successfully passed attestation is not possible.</p>								
<p><b>Registration</b></p>	<p>The mandatory registration at the examination office <u>has to be realized in the 5th and 6th week of 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.</u></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>								
<p><b>Realization of labs</b></p>	<p>The experiments are held in English language.</p> <p>The participants are grouped in teams of 5 students and assigned to fixed lab dates. A central date exchange service by the chair will not be provided, but a <b>change-of-dates-forum is arranged in moodle</b> (Systemdynamik und Regelungstechnik – Pflichtpraktikum (WiSe 19/20)). The participants are allowed to switch their dates 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>								
<p><b>Grading / fail</b></p>	<p>Your performance will be graded:</p> <table border="1" data-bbox="539 1355 1385 1736"> <thead> <tr> <th>Criteria</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>- All attestations (SDe, CE) were successful at the first attempt <b>and</b> - Active participation at the lab.</td> <td>1,0</td> </tr> <tr> <td>- One attestation failed once and successfully passed in the second attempt <b>or</b> - Passed attestations but no active participation at the lab.</td> <td>3,0</td> </tr> <tr> <td>- Two attestations failed, <b>or</b> - Nonappearance/delay.</td> <td>5,0 (failed)</td> </tr> </tbody> </table> <p>Grading 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>	Criteria	Grade	- All attestations (SDe, CE) were successful at the first attempt <b>and</b> - Active participation at the lab.	1,0	- One attestation failed once and successfully passed in the second attempt <b>or</b> - Passed attestations but no active participation at the lab.	3,0	- Two attestations failed, <b>or</b> - Nonappearance/delay.	5,0 (failed)
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- All attestations (SDe, CE) were successful at the first attempt <b>and</b> - Active participation at the lab.	1,0								
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	<ol style="list-style-type: none"> <li>1) Attestation: Each participant has to succeed the central written attestations for the experiments in order to participate at the labs.</li> <li>2) Verification of identity: Participation at the attestation is only possible if your identity can be verified. For verification of your identity you have to show your Student-ID, or your passport, or your Aufenthaltstitel at the attestation date and in the beginning of the labs. If the ID cannot be accepted or is not correct, the student loses the right to participate.</li> <li>3) 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.</li> <li>4) Active participation at the practical experiment.</li> </ol>
<p><b>Further information</b></p>	<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>