

Sommersemester 2020

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	<p>https://moodle.uni-due.de/course/view.php?id=10139</p> <p>Course description from last semester: http://www.uni-due.de/srs/v-ce-an1-Praktikum.shtml</p>
Examiners	Ph.D. students/scientific co-workers
Coordination	Dr.-Ing. Sandra Rothe, praktikum-srs@uni-due.de
Attestation	<p>In SoSe 2020, the attestation will be realized by an online test in the Moodle course.</p> <p>The realization will take place via:</p> <ul style="list-style-type: none"> - An assignment to the group of admitted participants SD (prerequisite: registration at the examination office) - Temporally limited execution of the Moodle attestation
Attestation date	<p>Regular appointment in SoSe20: Due to the postponement of the registration phase at the examination office, the SDe attestation date will be postponed. New date: SDe: July 3, 2020 2:00 – 2:20 pm</p> <p>The RT attestation date remains: RT: June 19, 2020 5:00 – 5:20 pm</p>
Execution of the labs	The experiments will be replaced in SoSe 2020 by an interactive video in the Moodle course. A passed attestation is the prerequisite to open the video. For certain experiments, a document must be uploaded before participation in order to demonstrate preparation. Active participation in the integrated questions is a prerequisite for passing.
Material	<p>Moodle: Systemdynamik und Regelungstechnik - Praktikum – SDRT-Praktikum</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. The subject must contain the word PrSR.</p>								
Attestation	<p>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 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>								
Registration	<p>The mandatory registration at the examination office <u>has</u> to be realized in the <u>current</u> summer semester. This registration is valid also for the lab of Control Engineering in the next winter term. A re-registration in the winter term is neither necessary nor possible. ONLY officially registered participants are allowed to take part in the attestation.</p> <p>A deregistration for individual practical labs is only possible via email to praktikum-srs@uni-due.de latest 2 weeks (full 14 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 - Active participation at the lab.</td> <td>1,0</td> </tr> <tr> <td>- One attestation failed once and successfully passed in the second attempt or - Passed attestations but no active participation at the lab.</td> <td>3,0</td> </tr> <tr> <td>- Two attestations failed, or - 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> <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) The interactive video for each experiment must be watched and the integrated questions must be answered 	Criteria	Grade	- All attestations (SDe, CE) were successful at the first attempt and - Active participation at the lab.	1,0	- One attestation failed once and successfully passed in the second attempt or - Passed attestations but no active participation at the lab.	3,0	- Two attestations failed, or - Nonappearance/delay.	5,0 (failed)
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	correctly. For certain experiments, a file with solutions to previously defined tasks must be uploaded in advance.
Further information	It is strongly recommended to conduct the experiments in the proposed order and terms because failed attempts lead to worse grades or failed trials.