

Distributed Systems (DSy)

Admin

Thomas Bocek

11.05.2025

Nr	Date Rapperswil	Date St.Gallen	Lecture*	Lecturer
01	17.02.2025	18.02.2025	Admin, Introduction / Motivation - Scaling (no exercises)	Bocek
02	24.02.2025	25.02.2025	Introduction / Motivation, Latency and Fault Tolerance	Bocek
03	03.03.2025	-	Monorepos / Polyrepos, Containers and VMs	Bocek
04	10.03.2025	11.03.2025	Docker, Debugging Containers	Bocek
05	17.03.2025	18.03.2025	Load Balancing	Bocek
06	24.03.2025	25.03.2025	Web Architectures	Bocek
07	31.03.2025	01.04.2025	Categorization	Bocek
-	-	-	-	-
08	14.04.2025	15.04.2025	Authentication	Bocek
09	-	22.04.2025	Protocols	Bocek
10	28.04.2025	29.04.2025	Application Protocols	Bocek
11	05.05.2025	06.05.2025	Exam preparation	Bocek
12	12.05.2025	13.05.2025	Deployment, Performance	Bocek
13	19.05.2025	20.05.2025	Blockchain, Bitcoin, Ethereum Introduction, Smart Contracts	Bocek
14	26.05.2025	27.05.2025	Challenge Task Presentations	you
15	02.06.2025	03.06.2025	Challenge Task Award Winner Announcement, Q&A (no exercises)	Bocek

* topics may change

Challenge Task

Deliverables

- 11.03.2025, 23:59 (CET) first hand-in of your initial plan and project idea. Invitation to github/gitlab repository.
- 15.04.2025, 23:59 (CET) second hand-in of your initial commit of your challenge task and current progress (initial state, does not need to run).
- 13.05.2025, 23:59 (CET) third hand-in of your current progress (what works, what is still open).
- Final hand-in: **25.05.2025, 23:59 (CET)** - infrastructure documentation (Readme.md or can be slides) and the source code (github/gitlab or similar) via invite or email to thomas.bocek-at-ost.ch. The code and configuration should be easy to read and/or well documented. For the presentation on the 26.05.2025 and 27.05.2025, you should show the architecture, components, and design decisions in 10-15 min, a demo in 5-10 min, and the Q&A will be 5-10 min. After your presentation, you need to hand in your PDF presentation.