Course Plan 2024

Lecturer: Sigurd Skogestad (skoge@ntnu.no)
Exercises: Lucas Cammann (Lucas.Cammann@ntnu.no)

First lecture: Wednesday 21 August 10:30-12:00 in K4-205

Normal Lecture time: Wednesdays 09-12 in K4-205

Exercise: usually 11-12 the day of the lectures

Note, that the days of the lecture may change.

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| Week/Date | Lecture | Exercise |
| Week 34 / 21.08. | 0. Introduction1. Plant-wide control procedure | Exercise 1 out (2 weeks) |
| Week 35 / 28.08. | 1. Continue2. Self-optimizing control |  |
| Week 36 / 04.09. | 2. Self-optimizing control, continmue | Exercise 1 deadlineExercise 2 out (1 week) |
| Week 37 / 11.09. | 3. Controller tuning | Exercise 2 deadlineExercise 3 out (1 week) |
| Week 38 / 178.09. | 4. Inventory control and TPM5. Supervisory control / switching | Exercise 3 deadlineExercise 4 out (2 weeks) |
| Week 39 / 25.10. | 6. ARC elements |  |
| Week 40 / 02.10. | 7. More on switching and regulatory control | Exercise 4 deadlineExercise 5 out (2 weeks) |
| Week 41 / 09.10. | 8. Transformed inputs / Guest lecture MPC |  |
| Week 42 / 16.10. | 9. Guest lecture Forsman | Exercise 5 deadlineExercise 6 out (2 weeks) |
| Week 43 / 23.10. |  |  |
| Week 44 / 30.10. |  | Exercise 6 deadline |

**EXCEPTIONS 2024**

* Wednesday 11.09 not available, I have booked the room K4.205 twice on **Monday 09.09**. One possible slot is 09-12, the other 1-3
* On September 18 you have booked the room the entire day for the Control Lab. I have booked **K4.438 on Monday 16** from 1-3
* October 9 not available, I have booked two slots: **Monday 07.10 9-12 and 1-3** in K4.205

There will be two guest lectures given by

* TBA: MPC application in Equinor
* Krister Forsman: Advanced process control in Perstorp