

# 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.

Week/Date	Lecture	Exercise
<b>Week 34 / 21.08.</b>	0. Introduction 1. Plant-wide control procedure	Exercise 1 out (2 weeks)
<b>Week 35 / 28.08.</b>	1. Continue 2. Self-optimizing control	
<b>Week 36 / 04.09.</b>	2. Self-optimizing control, continue	Exercise 1 deadline Exercise 2 out (1 week)
<b>Week 37 / 11.09.</b>	3. Controller tuning	Exercise 2 deadline Exercise 3 out (1 week)
<b>Week 38 / 18.09.</b>	4. Inventory control and TPM 5. Supervisory control / switching	Exercise 3 deadline Exercise 4 out (2 weeks)
<b>Week 39 / 25.10.</b>	6. ARC elements	
<b>Week 40 / 02.10.</b>	7. More on switching and regulatory control	Exercise 4 deadline Exercise 5 out (2 weeks)
<b>Week 41 / 09.10.</b>	8. Transformed inputs / Guest lecture MPC	
<b>Week 42 / 16.10.</b>	9. Guest lecture Forsman	Exercise 5 deadline Exercise 6 out (2 weeks)
<b>Week 43 / 23.10.</b>		
<b>Week 44 / 30.10.</b>		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