

Course Plan 2025

Lecturer: Sigurd Skogestad (skoge@ntnu.no)

Exercises: Jonas Fraihat

First lecture (week 34): Tuesday 19 August 10:00-12:00 in K4-205

Normal Lecture time: Tuesdays 14-16 in K4-205

Exercise: usually 16-17 the day of the lectures

Note, that the days of the lecture may change.

Week/Date	Lecture	Exercise
Week 34 / 19.08.	0. Introduction 1. Plant-wide control procedure	Exercise 1 out (2 weeks)
Week 35 / 26.08.	1. Continue 2. Self-optimizing control	
Week 36 / 02.09.	2. Self-optimizing control, continue	Exercise 1 deadline Exercise 2 out (1 week)
Week 37 / 09.09.	3. Controller tuning	Exercise 2 deadline Exercise 3 out (1 week)
Week 38 / 16.09.	4. Inventory control and TPM 5. Supervisory control / switching	Exercise 3 deadline Exercise 4 out (2 weeks)
Week 39 / 23.10.	6. ARC elements	
Week 40 / 30.09.	7. More on switching and regulatory control	Exercise 4 deadline Exercise 5 out (2 weeks)
Week 41 / 07.10.	8. Transformed inputs / Guest lecture MPC	
Week 42 / 14.10.	9. Guest lecture Forsman	Exercise 5 deadline Exercise 6 out (2 weeks)
Week 43 / 21.10.		
Week 44 / 28.10.		Exercise 6 deadline

There will be two guest lectures given by

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