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.

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| 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