

Schedule, August 4-13, 2014

First week

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:30	L1: Introduction to optimization	L3: Initial-value problems	L5: Optimal control overview	L7: Direct shooting methods	L9: Nonlinear model predictive control
10:30 - 11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00 - 13:00	E1: Python + Quadratic programming	E3: Integrators	E5: Dynamic programming	E7: Direct single and multiple shooting	E9: NMPC + RTI
13:00 - 14:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
14:00 - 15:30	L2: Nonlinear programming	L4: Derivatives and BVP	L6/E6: Indirect methods + exercise	L8: Direct collocation	L10: Summary
15:30 - 16:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:00 - 18:00	E2: CasADi + Nonlinear programming	E4: Newton's method	Introduction to projects	E8: Direct collocation	End of first week
19:30-			Drinks etc. at Feierling		

Second week

	Monday	Tuesday	Wednesday
9:00 - 10:30	Exam	Lecture	Project presentations
10:30 - 11:00	Coffee break	Coffee break	Coffee break
11:00 - 13:00	Project statement	Project work	Project presentations
13:00 - 14:00	Lunch break	Lunch break	Lunch break
14:00 - 15:30	Project work	Project work	Project presentations
15:30 - 16:00	Coffee break	Coffee break	Coffee break
16:00 - 18:00	Project work	Project work	Wrap-Up

Location:
Lectures:
Exercises:

Kollegengebäude 1
Aula (1st floor)
Aula, 1032, 1034