F		<u> </u>	T	1	T	T
	TTK4135 Plan for Spring 2019					
	Lectures Tuesday 10:15-12:00 S3	Lectures Thursday 12:15-14:00 S6	Helicopter project	Exercise out (Mon 15:00)	Help session Tuesday 18:15-19:00 EL6	Exercise in (Wed 23:59)
		Lecture 2 Optimality conditions - N&W Ch. 12.1-				, , , , , , , , , , , , , , , , , , , ,
2	Ch.1	12.2		0: Matrix Calculus, 1: KKT		
	Lecture 3 Optimality conditons and linear	Lecture 4 Linear Programming - N&W Ch.13.1-				
3	algebra - N&W Ch.12.3, 12.5 (12.8, 12.9)	13.5		2: LP	0, 1, 2	
_		Lecture 6 Quadratic programming - N&W Ch.15.3-				
4	13.5 Lecture 7 Quadratic Programming - N&W	15.5, 16.1-2,4-5 Lecture 8 Open loop dynamic optimization - MPC		3: LPQP	2, 3	0, 1
_				4.00		
		Lecture 10 Model predictive control - MPC note	Helicopter Lab week	4: QP	3, 4	2
			Halianatan Lab	F: OLMBO	4.5	
6		Lecture 12 Linear quadratic control - MPC note	Helicopter Lab week	5: OLMPC	4, 5	3
7			Helicopter Lab week	6: MPCLQR	5	4
	C11.4.3.2-4.4	repetition and 4.6	Helicopter Lab week	6: MPCLQR	3	4
8	No lecture	No lecture	Helicopter Lab week		5. 6	
		Lecture 14 Line search methods - N&W Ch.3-3.1.	Helicopter Lab week		5, 6	
		3.4, 3.5	Helicopter Lab week	7: RICATTI	6. 7	5
	Lecture 15 Quasi Newton methods - N&W Ch.6-	0.4, 0.0	Tielicopter Lab week	7. NICATTI	0, 1	3
		Lecture 16 Derivative free optimization - Ch.9, 9.5	Holicoptor Lab wook	8: UNCON	7. 8	6
10	Lecture 17 Sequential quadratic programming	Lecture 18 Sequential quadratic programming	Tielicopter Lab week	8. UNCON	1,0	0
11	(SQP) - N&W Ch.18-18.2, 11-11.1		Helicopter Lab week	9: OPTALG	8, 9	7
		Lecture 20	Tionoopter Lab Week	0. OI 17120	0, 0	,
12	(SQP) - Ch.18.4, 18.8, 15.5	TBD		10: SQP	9. 10	8
	(84.) 66, 16.6, 16.6			10. 001	3, 10	Ů
13					10	9
						Ů
14	No lecture	No lecture				10
15	Excursion week					
16	Easter vacation					
17	Easter vacation					
18						
	Submit heli report	15/3/2018, 12:00 (noon)				
	Q&A before exam					
	Final written exam	03.06.2019				