Week	Day	Date	Start	End	Туре	No	Contents	Literature/Exercises		
VVCCK	Бау	Date	Start	LIIU	Турс	INO	Contents	Literature/ Exercises		
	Tuesday	2019-03-26	10:00	11:45	Lecture	#1	Introduction; course map; modelling optimization applications; graphic solution	Chapters in (i): 1, 2.1–5, 3		
	Wednesday	2019-03-27	08:00	09:45	Problem	1	Exercises on linear optimization modelling	Exercises in (ii): see the homepage		
w 13	Thursday	2019-03-28	10:00	11:45	solving	#2a	Julia/JuMP and optimization solvers; computer exercise on linear			
W IS	Wednesday	2019-03-27	13:15	15:00	Lecture	-		Optimization (Edvin Abida)		
	Wednesday	2019-03-27	15:15	17:00	Computers					
	Friday Friday	2019-03-29	10:00 13:15	11:45 15:00	Lecture Computers	#3	Convexity; basic feasible solutions; change of basis	Chapters in (i): 2.4, 4.1–4, (7.1), 4.8		
	Tiluay	2019-03-29	10.10	13.00	Computers	Computer Decree				
	Monday	2019-04-01	13:15	15:00	Computers	book				
w 14	Tuesday	2019-04-02	10:00	11:45	Lecture	#4	Linear programming: the simplex method; degeneracy; unbounded solution; infeasibility; starting solutions	Chapters in (i): 4.5–10		
	Wednesday Thursday	2019-04-03 2019-04-04	08:00 10:00	09:45 11:45	Problem solving	2	Exercises on linear optimization theory and algorithms	Exercises in (ii): see the homepage		
	Wednesday	2019-04-03	13:15	15:00	Lecture	#5	Linear programming duality; economic interpretation	Chapters in (i): 6, (7.2–5)		
	Wednesday	2019-04-03	15:15	17:00	Computers			5.4.5 (5.0)		
	Friday	2019-04-05	10:00	11:45	Lecture	#6	Linear programming: post-optimal and sensitivity analysis	5.1–5, (5.6)		
w 15	Monday	2019-04-08	13:15	15:00	Computers	book	ked			
	Tuesday	2019-04-09	10:00	11:45	Lecture	#7	Discrete optimization models and applications; complexity	Chapters in (i): 13, 2.6		
	Wednesday Thursday	2019-04-10 2019-04-11	10:00 10:00	11:45 11:45	Problem solving	3	Exercises on linear optimization duality and sensitivity analysis	Exercises in (ii): see the homepage		
	Wednesday	2019-04-11	13:15	17:00	Computers	book	sed.			
	Wednesday	2019-04-10		23:55	Compatoro		DEADLINE Assignment 1			
	Friday	2019-04-12	10:00	11:45	Lecture	#8a	Theory and algorithms for discrete optimization models	Chapters in (i): 14.1–3, 15.1–3		
	· ······	2010 01 12	10.00		2001010	#8b	Maintenance scheduling optimization (Assignment 2)			
w 16	Monday	2019-04-15	13:15	15:00	Computers	Computers booked				
	Tuesday	2019-04-16	10:00	11:45	Lecture	#9	Discrete optimization: theory and algorithms	Chapters in (i): 14.4–5, (14.6), 16.1–2, 17.1–2, (17.3–4) 13.10–11, 15.4, (15.5)		
	Wednesday	2019-04-17	10:00	11:45	Problem solving	4	Exercises on integer linear optimization modelling and algorithms			
	Wednesday	2019-04-17	13:15	17:00	Computers	book	ked			
					i					
	Thursday w 16	6 - Wednesday	w 18				Easter break, re-exams, Valborg and I	May1		
w 18	Thursday w 16	6 - Wednesday 2019-05-02	w 18	11:45	Problem solving	4	Easter break, re-exams, Valborg and I	May1 Exercises in (ii): see the homepage		
w 18				11:45 11:45		4 #10				
w 18	Thursday Friday	2019-05-02 2019-05-03	10:00	11:45	solving Lecture	#10	Exercises on integer linear optimization modelling and algorithms Combinatorial optimization theory and algorithms	Exercises in (ii): see the homepage		
w 18	Thursday Friday Monday	2019-05-02 2019-05-03 2019-05-06	10:00 10:00 13:15	11:45	solving Lecture Computers	#10	Exercises on integer linear optimization modelling and algorithms Combinatorial optimization theory and algorithms	Exercises in (ii): see the homepage		
w 18	Thursday Friday Monday Tuesday	2019-05-02 2019-05-03 2019-05-06 2019-05-07	10:00 10:00 13:15 10:00	11:45 15:00 11:45	Lecture Computers Lecture	#10	Exercises on integer linear optimization modelling and algorithms Combinatorial optimization theory and algorithms	Exercises in (ii): see the homepage Chapters in (i): 16, 8.3		
	Thursday Friday Monday Tuesday Wednesday	2019-05-02 2019-05-03 2019-05-06 2019-05-07 2019-05-08	10:00 10:00 13:15 10:00 10:00	11:45 15:00 11:45 11:45	Lecture Computers Lecture Problem	#10	Exercises on integer linear optimization modelling and algorithms Combinatorial optimization theory and algorithms ced Network optimization: Shortest paths, dynamic programming,	Exercises in (ii): see the homepage Chapters in (i): 16, 8.3 Chapters in (i):, 8.1–2, 8.4, (8.5), 18.1–5, (18.6–		
w 18	Thursday Friday Monday Tuesday	2019-05-02 2019-05-03 2019-05-06 2019-05-07	10:00 10:00 13:15 10:00 10:00	11:45 15:00 11:45 11:45 11:45	Lecture Computers Lecture	#10 book #11	Exercises on integer linear optimization modelling and algorithms Combinatorial optimization theory and algorithms ced Network optimization: Shortest paths, dynamic programming, linear programming formulations of flows Exercises on integer linear optimization theory and algorithms	Exercises in (ii): see the homepage Chapters in (i): 16, 8.3 Chapters in (i):, 8.1–2, 8.4, (8.5), 18.1–5, (18.6–7), 13.5		
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w 19	Thursday Friday Monday Tuesday Wednesday Thursday Wednesday Friday Monday Truesday Tuesday Tuesday Tuesday Tuesday Tuesday Truesday Truesday Truesday Thursday Thursday Thursday Thursday Thursday Thursday Thursday Thursday	2019-05-02 2019-05-03 2019-05-06 2019-05-07 2019-05-08 2019-05-09 2019-05-10 2019-05-10 2019-05-11 2019-05-13 2019-05-14 2019-05-15 2019-05-15 2019-05-15 2019-05-17	10:00 10:00 13:15 10:00 10:00 10:00 13:15 12:00 10:00 10:00 10:00 10:00 10:00 10:00	11:45 15:00 11:45 11:45 11:45 17:00 09:30 17:00 11:45 15:00 11:45 15:00 11:45 11:45 17:00 11:45	Computers Lecture Problem solving Computers Lecture Problem solving Computers Lecture Problem solving Computers Lecture Problem solving Computers Lecture	#10 book #11 5 book #12 book #13 6 book #14	Exercises on integer linear optimization modelling and algorithms Combinatorial optimization theory and algorithms Red Network optimization: Shortest paths, dynamic programming, linear programming formulations of flows Exercises on integer linear optimization theory and algorithms Red DEADLINE Assignment 2 – IN THE MORNING! DEADLINE Assignment 2-opposition – SUBMISSION FOR PEER Linear programming formulations and algorithms for minimum cost network flows Red Multi-objective optimization DEADLINE Opposition (peer review) on Assignment 2 Exercises on network flows Red Overview of non-linear optimization	Exercises in (ii): see the homepage Chapters in (i): 16, 8.3 Chapters in (i):, 8.1–2, 8.4, (8.5), 18.1–5, (18.6–7), 13.5 Exercises in (ii): see the homepage REVIEW DURING THE DAY! Chapters in (i): 8.6–7 [(iii): Hand-outs Exercises in (ii): see the homepage		
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