

### Course plan

Study week Calendar week	Weekday	Date	Hours	Room	Activity	#	Responsible	Topics
LV1 3	Tue	16/1	8–10	MVF23	Lecture	1	ABS	Introduction; simple and hard problems; introduction of project 1
	Wed	17/1	15–17	MVF23	Lecture	2	ABS	Lagrangean relaxation, I
	Fri	19/1	13–15	MVF23	Lecture	3	ABS	Lagrangean relaxation, II
LV2 4	Tue	23/1	8–10	MVF23	Lecture	4	ABS	Lagrangean relaxation, III
	Wed	24/1	15–17	MVF23	<i>Workshop</i>	5	<i>ABS + students</i>	<i>Workshop: discrete network design and Lagrangean relaxation</i>
	Fri	26/1	15–17	MVF23	Lecture	6	ABS	Lagrangean relaxation, IV
LV3 5	Tue	30/1	8–10	MVF23	Lecture	7	ABS	Column generation, I
	Wed	31/1	15–17	MVF23	Lecture	8	ABS	Column generation, II
	Fri	2/2	10–12	FL41	Lecture	9	ABS	Column generation, III
LV4 6	Tue	6/2	8–10	MVF23	Lecture	10	ABS	Computational complexity
	Wed	7/2	15–17	MVF23	Lecture	11	ABS	Introduction of project 2
	Thu	8/2	23:55		<i>Deadline</i>		<i>Students</i>	<i>Hand in report (also to opponents) and program of project 1</i>
LV5 7	Wed	14/2	15–17	MVF23	<i>Workshop</i>	12	<i>ABS + students</i>	<i>Workshop: Technical discussion on project 2</i>
	Fri	16/2	14–17	MVF23	<i>Presentation</i>	13,14	<i>Students</i>	<i>Presentations of &amp; opposition on project 1</i>
LV6 8	Wed	21/2	15–17	MVF23	Lecture	15	ABS	Benders decomposition
	Fri	23/2	15–17	MVF23	Lecture	16	ABS	Combining decomposition principles
LV7 9							<i>Students</i>	<i>Project work</i>
LV8 10	Tue	6/3	23:55		<i>Deadline</i>		<i>Students</i>	<i>Hand in report of project 2 (also to opponents)</i>
	Thu	8/3	16:00		<i>Deadline</i>		<i>Students</i>	<i>Hand in program of project 2</i>
			16:30		Release		ABS	<i>Release of competition instance</i>
Fri	9/3	10–12	EL41	<i>Presentation</i>	17	<i>Students</i>	<i>Presentations of &amp; opposition on project 2</i>	
	13–14	MVF23	18					
LV9 11				tbd	<i>Oral exam</i>		<i>ABS + students</i>	<i>Exam week: possibly oral exam</i>

ABS: Ann-Brith Strömberg

*The shadowed fields indicate mandatory presence for passing the course*