

Infrastructure and urban systems

ACE095

Schedule 2022

Master Programme Infrastructure and Environmental Engineering

Water Environment Technology, Architecture and Civil Engineering

Chalmers University of Technology

Teachers: LR – Leonardo Rosado; SR – Sébastien Rauch; DJE – Divia Jiménez Encarnación; MA – Marco Adelfio; JG – Jorge Gil; AK – Anna Kaczorowska

Moments in red and submissions are compulsory to all students. If you for some reason cannot join, please e-mail DJE and LR.

Week	Day	Time	#	Title	Type	Room	Lecturers
35	Wed 31 Aug	10:00 – 10:45	L00	Course overview	Lecture	SB-H4	LR
		13:15 – 14:00	L01	Cities as complex systems	Lecture	SB-H4	LR
		14:00 – 14:15		Break			
		14:15 – 15:00	L01	Cities as complex systems	Workshop	SB-H4	LR
		14:15 – 17:00		Individual time			
36	Mon 05 Sep	08:00 – 09:45		Individual time			
		10:00 – 10:45	L02	Future infrastructure development challenges	Lecture	SB-H4	AK
		10:45 – 11:00		Break			
		11:00 – 11:45	L02	Future infrastructure development challenges	Workshop	SB-H4	AK
	Wed 07 Sep	10:00 – 10:45	L03	Infrastructure development case study	Lecture	SB-H4	LR
		10:45 – 11:00		Break			
		11:00 – 11:45	L04	Group project description	Lecture	SB-H4	LR
		13:15 – 17:00		Individual time			
		17:00		Choose Topic for Group Project		Canvas	
	Fri 09 Sep	17:00		Groups defined		Canvas	
37	Mon 12 Sep	08:00 – 08:45	L05	City Information Modelling	Lecture	SB-H4	JG
		08:45 – 09:00		Break			
		09:00 – 09:45	L05	Entity Relationship Modelling	Workshop	SB-H4	JG
		09:45 – 10:00		Break			
		10:00 – 10:45	L06	Multi-stakeholder theories and methods	Lecture	SB-H4	MA
		10:45 – 11:00		Break			
	Wed 14 Sep	11:00 – 11:45	L06	Multi-stakeholder theories and methods	Workshop	SB-H4	MA
		10:00 – 11:45		Individual time			
		13:15 – 14:00	L07	Social network analysis	Lecture	SB-H4	LR
		14:00 – 14:15		Break			
		14:15 – 15:00	L07	Social network analysis	Workshop	SB-H4	LR
		15:15 – 17:00		Individual time			
	Thu 15 Sep	17:00		Submit group project preparation document		Canvas	
		17:00		Submit in-lecture exercise L05		Canvas	
38	Mon 19 Sep	08:00 – 11:45		Group project consultation	Supervision	SB-L208, SB-L216	LR, SR, DJE
		17:00		Submit in-lecture exercise L07		Canvas	
	Wed 21 Sep	10:00 – 10:45	L08	Urban water management	Lecture	SB-H4	SR
		10:45 – 11:00		Break			
		11:00 – 11:45	L08	Urban water management	Workshop	SB-H4	SR
		13:15 – 14:00	L09	Transportation planning and management	Lecture	SB-H4	SR
		14:00 – 14:15		Break			
		14:15 – 15:00	L09	Transportation planning and management	Workshop	SB-H4	SR
		15:15 – 17:00		Individual time			
39	Mon 26 Sep	08:00 – 09:00		Individual time			
		09:00 – 09:45	L10	Waste planning and management	Lecture	SB-H4	LR
		09:45 – 10:00		Break			
		10:00 – 10:45	L10	Waste planning and management	Workshop	SB-H4	LR
		10:45 – 11:00		Break			
		11:00 – 11:45	L11	Individual assignment guidelines	Lecture	SB-H4	LR
	Wed 28 Sep	17:00		Submit group project draft		Canvas	
		17:00		Submit in-lecture exercises L08 and L09		Canvas	
		10:00 – 11:45		Group project consultation	Supervision	SB-L227, SB-L285	LR, SR, DJE
		13:15 – 15:00		Group project consultation	Supervision	SB-L227, SB-L285	LR, SR, DJE
		15:15 – 17:00		Group project consultation	Supervision	SB-L227, SB-L285	LR, SR, DJE
	Thu 29 Sep	17:00		Submit in-lecture exercise L10		Canvas	

Week	Day	Time		Title	Type	Room	Lecturers
40	Mon 03 Oct	08:00 – 08:45	L12	Strategic literature searching	Lecture	SB-H4	DJE
		08:45 – 09:00		Break			
		09:00 – 09:45	L12	Strategic literature searching	Workshop	SB-H4	DJE
		09:45 – 10:00		Break			
		10:00 – 10:45	L13	Qualitative research	Lecture	SB-H4	DJE
		10:45 – 11:00		Break			
		11:00 – 11:45	L13	Qualitative research	Workshop	SB-H4	DJE
	Wed 05 Oct	10:00 – 11:45		Group project presentation	Presentation	SB-L285	LR, SR, DJE
		13:15 – 15:00		Group project presentation	Presentation	SB-L285	LR, SR, DJE
		15:15 – 17:00		Group project presentation	Presentation	SB-L285	LR, SR, DJE
	Thu 06 Oct	17:00		Submit in-lecture exercises L12 and L13		Canvas	
	Fri 07 Oct	17:00		Submit group project final PPT and report		Canvas	
41	Mon 10 Oct	08:00 – 10:00		Individual time			
		10:00 – 10:45	L14	Systems thinking in infrastructure development	Lecture	SB-H3	LR
		10:45 – 11:00		Break			
		11:00 – 11:45	L15	Writing reports guidelines	Lecture	SB-H3	LR
	Wed 12 Oct	10:00 – 11:45		Individual Assignment consultation	Supervision	SB-L227, SB-L285	LR, SR, DJE
		13:15 – 17:00		Individual Assignment consultation	Supervision	SB-L227, SB-L285	LR, SR, DJE
	Fri 14 Oct	17:00		Submit draft individual assignment		Canvas	
42	Mon 17 Oct	08:00 – 11:45		Individual time			
	Wed 19 Oct	10:00 – 11:45		Individual Assignment consultation	Supervision	SB-G512, SB-S215	LR, SR, DJE
		13:15 – 17:00		Individual Assignment consultation	Supervision	SB-G512, SB-S215	LR, SR, DJE
43	Wed 26 Oct	17:00		Submit final Individual Assignment		Canvas	