

Net Zero-Carbon Fuels (SJTU SDG Summer Course 2022)

Week	Date	Day	Time	Topic	Credit hours	Teaching mode	Lecturer-in-charge
1	20/6	Mon	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L1: Introduction to SDG with emphasis on SDG 7	3	Online lecture + discussion	CCT
	21/6	Tue	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L2: Advancements of biofuels Biodiesel, bioethanol and biogas production, application	3	Online lecture + discussion	NJH
	22/6	Wed	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L3: Biofuels sustainability: EWF + SDG perspectives	3	Online lecture + discussion	NJH
	23/6	Thu	9:00-11:00 (UTC+1) 16:00-18:00 (UTC+8)	T1: Topical review 1 (Biofuels)	2	Group discussion	NJH
2	27/6	Mon	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L4: Sustainable aviation propulsion Production, application and sustainability	3	Online lecture + discussion	CCT
	28/6	Tue	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L5: Green hydrogen as energy carrier Production, use (fuel cells and combustion) and vectors (inc. ammonia)	3	Online lecture + discussion	AVM
	29/6	Wed	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L6: Green ammonia as energy carrier Production, distribution, fuel cells, combustion	3	Online lecture + discussion	AVM
	30/6	Thu	9:00-11:00 (UTC+1) 16:00-18:00 (UTC+8)	T2: Topical review 2 (H2 vectors)	2	Group discussion	AVM

For more information, please visit: <https://mooc.global/sjtu/2022-sdg-july-camp/>

3	4/7	Mon	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	L7: Electrification Power-to-X, transport electrification	3	Online lecture + discussion	CCT
	5/7	Tue	9:00-11:00 (UTC+1) 16:00-18:00 (UTC+8)	L8: Emerging zero-carbon fuels Production of methanol, waste-derived fuel, solar fuel	2	Online lecture + discussion	NJH
	6/7	Wed	9:00-11:00 (UTC+1) 16:00-18:00 (UTC+8)	T3: Topical review 3 (Elec + EF)	2	Group discussion	CCT
	7/7	Thu	9:00-12:00 (UTC+1) 16:00-19:00 (UTC+8)	Group project presentations	3	Group presentation	CCT/NJH/AVM
Total					32		

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