

POSTGRADUATE COURSES - SEMESTER 1, AY2025/2026 (DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING)

Note: Default for courses delivery is Face-to-Face. Await updates on Canvas system for respective Lecturer/s' instructions.

Note: Default for Final Exam is Face-to-Face.

Timetable is updated 15 Jul 2025.

Sem 1 (4 units courses) = 11 Aug 25 – 06 Dec 25

Sem 1A = 11 Aug 25 – 04 Oct 25

Sem 1B = 06 Oct 25 – 06 Dec 25

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Note: Level-6000 are PhD Courses

Course Code	Units	Course Title	Pre-requisites	Prerequisite	Semester	Lecturer/s	Venue (Check before classes start)	Day	Start Time	
CE5010QA	2	FINITE ELEMENT CONCEPTS & APPLICATIONS	-	CE4257 / TCE4257 / CE4257A / CE5010A	Sem1A	QUEK SER TONG	EA-06-05	Wed	18:00	These courses were previously offered as a 4-unit CE4257
CE5010QB	2	FINITE ELEMENT ANALYSIS FOR CIVIL ENGINEERING	CE5010QA	CE4257 / TCE4257 / CE4257B / CE5010B	Sem 1B	CUI YUE	EA-06-05	Wed	18:00	
CE5101	4	SEEPAGE & CONSOLIDATION OF SOILS	CE2112 Soil Mechanics; CVE3 or CVE4 standing or higher	-	Sem 1	GOH SIANG HUAT, ZHANG PIN	LT4	Tue	18:00	
CE5104QA	2	TUNNELLING IN SOILS	Background in Soil Mechanics or equivalent	CE5104 / CE5104A	Sem1A	LEUNG CHUN FAI	LT7A	Fri	18:00	
CE5104QB	2	TUNNELLING IN ROCKS	Background in geotechnical engineering or equivalent. Background in rock mechanics is useful but not essential.	CE5104 / CE5104B	Sem 1B	LEUNG CHUN FAI	LT7A	Fri	18:00	
CE5108QA	2	KEY PRINCIPLES AND CONCEPTS OF EARTH RETENTION SYSTEMS	Background in soil mechanics or equivalent	CE5108 / CE5108A	Sem1A	GOH SIANG HUAT	SDE3-LT425	Thu	18:00	
CE5108QB	2	DEEP EXCAVATIONS ANALYSIS AND MODELLING	CE5108QA (Co-requisite)	CE5108 / CE5108B	Sem 1B	TAN SIEW ANN	SDE3-LT425	Thu	18:00	
CE5113QA	2	GEOTECHNICAL SITE INVESTIGATION	Background in soil mechanics or equivalent	CE5113 / CE5113A	Sem1A	CHEW SOON HOE	LT6	Wed	18:00	
CE5113QB	2	GEOPHYSICAL METHODS & GEOTECHNICAL MONITORING	CE5113QA (Co-requisite)	CE5113 / CE5113B	Sem 1B	CHEW SOON HOE	LT6	Wed	18:00	
CE5205	4	TRANSPORTATION PLANNING	CE3121 Urban Transportation Engineering, or equivalent	-	Sem 1	LIU YANG, PRATEEK BANSAL	LT7A	Tue	18:00	
CE5209	4	TRANSPORTATION DATA ANALYTICS AND MODELING	CE3121 Urban Transportation Engineering, or equivalent; CVE4 standing or higher	-	Sem 1	LIU YANG, YANG KAI DI	SDE3-LT421	Fri	18:00	
CE5312	4	OPEN CHANNEL AND COASTAL HYDRAULICS	CE3132 Hydrology and Free Surface Flows or equivalent	-	Sem 1	LI YUZHU, PEARL ADRIAN LAW WING KEUNG	SDE3-LT423	Mon	18:00	
CE5315	4	CLIMATE SCIENCE FOR ENGINEERS	Knowledge of Physics and Mathematics at the Bachelor's level in Engineering	CE5315AB	Sem 1	SIMONE FATICHI	LT4	Thu	18:00	
CE5316QA	2	WATER RESOURCES FOR SMART AND LIVEABLE CITIES: INTRODUCTION	CE3132 Hydrology and Free Surface Flows or equivalent	CE5316A	Sem1A	VLADAN BABOVIC, JOOST BUURMAN	E3-06-01	Tue	18:00	
CE5316QB	2	WATER RESOURCES MODELLING FOR URBAN CATCHMENTS	CE3132 Hydrology and Free Surface Flows or equivalent	CE5316B	Sem 1B	OOI SENG KEAT	E3-06-01	Tue	18:00	
CE5318	4	DECISION-MAKING FOR CLIMATE ADAPTATION	-	CE5318AB	Sem 1	VLADAN BABOVIC, JOOST BUURMAN	SDE3-LT426	Wed	18:00	
CE5319	4	CIRCULAR ECONOMY FOR SUSTAINABLE DEVELOPMENT	-	-	Sem 1	GENG GUOQING, IRIS YU, YANG YI, DU HONGJIAN	E1-06-05	Fri	18:00	
CE5509QA	2	ADVANCED STRUCTURAL STEEL DESIGN	Background in Structural Steel Design	CE5509 & CE5509A	Sem1A	WANG TONGYUN	LT7A	Mon	18:00	
CE5509QB	2	DESIGN OF COMPOSITE STEEL AND CONCRETE STRUCTURES	CE5509QA; Background in Structural Steel Design	CE5509 & CE5509B	Sem 1B	LIEW JAT YUEN, RICHARD, YANG YI	LT7A	Mon	18:00	
CE5510QA	2	ADVANCED STRUCTURAL CONCRETE DESIGN	Background in Structural Mechanics and Analysis	CE5510 & CE5510A	Sem1A	KONG KIAN HAU	LT2	Tue	18:00	
CE5510QB	2	RATIONAL DESIGN OF STRUCTURAL CONCRETE SYSTEMS	CE5510QA (Co-requisite)	CE5510 & CE5510B	Sem 1B	TAN KIANG HWEE	LT2	Tue	18:00	
CE5610QA	2	CONCRETE AND CEMENTITIOUS COMPOSITES	-	CE5610 & CE5610A	Sem1A	GENG GUOQING	LT2	Thu	18:00	
CE5610QB	2	REPAIR AND RETROFIT OF CONCRETE STRUCTURES	Background in Structural Concrete Design	CE5610 & CE5610B	Sem 1B	KONG KIAN HAU	LT2	Thu	18:00	

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CE5807QA	2	DIGITAL TECHNOLOGIES FOR CONSTRUCTION	-	CE5807 & CE5807A	Sem1A	CHUA KIM HUAT, DAVID	LT7A	Wed	18:00	
CE5807QB	2	INTEGRATED CONSTRUCTION LOGISTICS	-	CE5807 & CE5807B	Sem 1B	NG HSIAO PIAU	LT7A	Wed	18:00	
CE5808QA	2	VIRTUAL DESIGN IN BIM	-	CE5808 & CE5808A	Sem1A	YEOH KER-WEI	LT2 (Mon) OR LT1 (Thu)	Mon OR Thu	18:00	Please register for only one lecture session (Mon or Thu). CE5806QA will be offered in Sem-2.
CE5808QB	2	ADVANCED DIGITAL CONSTRUCTION	-	CE5808 & CE5808B	Sem 1B	WAWAN SOLIHIN	LT2 (Mon) OR LT1 (Thu)	Mon OR Thu	18:00	Please register for only one lecture session (Mon or Thu). CE5806QB will be offered in Sem-2.
CE6001	4	OPERATIONS & MANAGEMENT OF INFRASTRUCTURE SYSTEMS	-	-	Sem 1	MENG QIANG	E1-06-03	Thu	18:00	
CE6077QA	2	NUMERICAL METHODS IN CIVIL ENGINEERING	CE2407 Engineering & Uncertainty Analyses, or equivalent	CE5311 / CE5377 / CE6077 / CE6077A / CE6003	Sem1A	POH LEONG HIEN	E1-06-01	Fri	18:00	
CE6077QB	2	NUMERICAL METHODS FOR ENVIRONMENTAL FLOWS	CE6077QA; CE2134 Fluid Mechanics, or equivalent	CE5311 / CE5377 / CE6077 / CE6077A / CE6003	Sem 1B	OOI SENG KEAT	E1-04-09	Fri	18:00	

Next page for courses in Environmental Engineering
and CourseReg schedule please.

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ESE5001	4	ENVIRONMENTAL ENGINEERING PRINCIPLES	-	ESE5001AB / ESE5901 / ESE5901A / ESE5901B	Sem 1	HU JIANGYONG, KARINA GIN YEW-HOONG, LEFEBVRE OLIVIER PATRICK, IRIS YU, YU LIYA, HE JIANZHONG	SDE3-LT424	Mon	18:00	
ESE5003	4	ENVIRONMENTAL CHEMICAL PROCESS ANALYSIS	-	ESE6003	Sem 1	PAUL CHEN	SDE3-LT425	Fri	18:00	For MSc students; Research students please select ESE6003.
ESE5301	4	ENVIRONMENTAL MICROBIOLOGY AND BIOTECHNOLOGY	ESE4 standing or higher	ESE6301	Sem 1	HE JIANZHONG	LT1	Wed	18:00	For MSc students; Research students please select ESE6301.
ESE5404	4	BIOLOGICAL TREATMENT PROCESSES	ESE4 standing or higher	-	Sem 1	ONG SAY LEONG	SDE3-LT423	Tue	18:00	
ESE5602	4	ENVIRONMENTAL MANAGEMENT SYSTEMS	-	ESE5602AB	Sem 1	KARINA GIN YEW- HOONG,	SDE3-LT426	Fri	18:00	
ESE5880A	4	TOPICS IN ENVIRONMENTAL ENGINEERING: CHEM. LAB SAFETY	ESE3 or ESE4 standing or higher	-	Sem 1	WAN NIANFENG	SDE3-LT423	Thu	18:00	
ESE6003	4	ADVANCED ENVIRONMENTAL CHEMICAL PROCESS ANALYSIS	Graduate Standing in Environmental Engineering	ESE5003	Sem 1	PAUL CHEN	SDE3-LT425	Fri	18:00	For Research students; MSc students please select ESE5003.
ESE6301	4	ADVANCED ENVIRONMENTAL MICROBIOLOGY AND BIOTECHNOLOGY	Graduate Standing in Environmental Engineering	ESE5301	Sem 1	HE JIANZHONG	LT1	Wed	18:00	For Research students; MSc students please select ESE5301.

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Timetable is updated **15 Jul 2025**.

Useful Links
CourseReg Website
GD CourseReg Schedule
GD Appeal Schedule
CourseReg Student User Guide
Academic Calendar AY2025/2026

	W ^e grade takes effect from	F ⁱ grade takes effect from
Semester 1	0000hrs, 25 Aug 25 to 2359hrs, 26 Sep 25	0000hrs, 29 Sep 25
Mini Sem 1A	0000hrs, 25 Aug 25 to 2359hrs, 31 Aug 25	0000hrs, 1 Sep 25
Mini Sem 1B	0000hrs, 20 Oct 25 to 2359hrs, 26 Oct 25	0000hrs, 27 Oct 25

Note: The function to drop courses via CourseReg@EduRec is disabled during the 'F' grade effective period. To assist in dropping of the course, please contact the following while using your NUS email account, quoting your full name and Student ID/Number:

- For Undergraduates, Graduates, Continuing & Professional Education Students – contact home faculty
- For Non-graduating Students – please submit your enquiries via the online form [here](#).

Mini Sem 1A and Sem 1B refer to MSc courses with only 2 units.
Please refer to Programme Requirements before selecting your courses.

ACADEMIC CALENDAR
AY2025/2026

Regular Semester		Mini Semester	Week	Dates		Public Holidays	
Regular Semester: 18 weeks	Orientation		0	Mon, 4 Aug 2025	– Sat, 9 Aug 2025	The following dates will be observed as University holidays during the academic year.	
	Instructional Period (6 weeks)	Mini Sem 1A: 8 weeks	1	Mon, 11 Aug 2025	– Fri, 15 Aug 2025	• National Day 9 Aug 2025 (Sat)	
			2	Mon, 18 Aug 2025	– Fri, 22 Aug 2025		
			3	Mon, 25 Aug 2025	– Fri, 29 Aug 2025	• Deepavali 20 Oct 2025 (Mon)	
			4	Mon, 1 Sep 2025	– Fri, 5 Sep 2025		
			5	Mon, 8 Sep 2025	– Fri, 12 Sep 2025		
			6	Mon, 15 Sep 2025	– Fri, 19 Sep 2025		
	Recess			Sat, 20 Sep 2025	– Sun, 28 Sep 2025	• NUS Wei-Being Day 21 Oct 2025 (Tue)	
	Instructional Period (7 weeks)	Mini Sem 1B: 9 weeks	Reading	7	Mon, 29 Sep 2025	– Sat, 4 Oct 2025	• Christmas Day 25 Dec 2025 (Thu)
			Examination	8	Mon, 6 Oct 2025	– Fri, 10 Oct 2025	
			Instructional Period (6 weeks)	9	Mon, 13 Oct 2025	– Fri, 17 Oct 2025	• New Year's Day 1 Jan 2026 (Thu)
				10	Mon, 20 Oct 2025	– Fri, 24 Oct 2025	
				11	Mon, 27 Oct 2025	– Fri, 31 Oct 2025	
				12	Mon, 3 Nov 2025	– Fri, 7 Nov 2025	
	13	Mon, 10 Nov 2025	– Fri, 14 Nov 2025	• Chinese New Year 17 Feb 2026 (Tue) 18 Feb 2026 (Wed)			
Reading			Sat, 15 Nov 2025	– Fri, 21 Nov 2025	• Hari Raya Puaasa 21 Mar 2026 (Sat) Subject to further confirmation		
Examination			Sat, 22 Nov 2025	– Sat, 6 Dec 2025			
Vacation: 5 weeks			Sun, 7 Dec 2025	– Sun, 11 Jan 2026			