

POSTGRADUATE COURSES - SEMESTER 1, AY2024/2025 (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 22 Jul 2024.

Sem 1 (4 units courses) = 12 Aug 24 – 07 Dec 24

Sem 1A = 12 Aug 24 – 05 Oct 24

Sem 1B = 07 Oct 24 – 07 Dec 24

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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	
CE4221	4	DESIGN OF LAND TRANSPORT INFRASTRUCTURES	CE3121 Urban Transportation Engineering, or equivalent	TCE4221	Sem 1	RAYMOND ONG, PRATEEK BANSAL	E1-06-08	Wed	18:00	Added in this list for the benefit of TUM Specialisation
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	TAN SIEW ANN, GOH SIANG HUAT	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-LT424	Thu	18:00	
CE5108QB	2	DEEP EXCAVATIONS ANALYSIS AND MODELLING	CE5108QA	CE5108 / CE5108B	Sem 1B	TAN SIEW ANN	SDE3-LT424	Thu	18:00	
CE5113QA	2	GEOTECHNICAL SITE INVESTIGATION	Background in soil mechanics or equivalent	CE5113 / CE5113A	Sem1A	CHEW SOON HOE	LT7A	Wed	18:00	
CE5113QB	2	GEOPHYSICAL METHODS & GEOTECHNICAL MONITORING	CE5113QA	CE5113 / CE5113B	Sem 1B	CHEW SOON HOE	LT7A	Wed	18:00	
CE5205	4	TRANSPORTATION PLANNING	CE3121 Urban Transportation Engineering, or equivalent	-	Sem 1	LIU YANG, PRATEEK BANSAL	LT7A	Tue	18:00	
CE5210	4	INTELLIGENT TRANSPORTATION SYSTEMS AND SIMULATION	CE3121 Urban Transportation Engineering, or equivalent; CVE4 standing or higher	TCE5205	Sem 1	YANG KAIDI	UT-AUD 1	Fri	18:00	
CE5312	4	OPEN CHANNEL HYDRAULICS	CE3132 Water Resources Engineering or equivalent	-	Sem 1	LI YUZHU, PEARL, ADRIAN LAW WING KEUNG	SDE3-LT423	Mon	18:00	
CE5315	4	CLIMATE SCIENCE FOR ENGINEERS	CE3132 Water Resources Engineering or equivalent	-	Sem 1	SIMONE FATICHI	LT4	Thu	18:00	
CE5316QA	2	WATER RESOURCES FOR SMART AND LIVEABLE CITIES: INTRODUCTION	CE3132 Water Resources Engineering or equivalent	-	Sem1A	VLADAN BABOVIC, JOOST BUURMAN	E3-06-01	Tue	18:00	
CE5316QB	2	WATER RESOURCES MODELLING FOR URBAN CATCHMENTS	CE3132 Water Resources Engineering or equivalent	-	Sem 1B	OUI SENG KEAT	E3-06-01	Tue	18:00	
CE5318	4	DECISION-MAKING FOR CLIMATE ADAPTATION	-	-	Sem 1	VLADAN BABOVIC, JOOST BUURMAN	SDE3-LT426	Wed	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, YI YANG	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	CE5510 & CE5510B	Sem 1B	TAN KIANG HWEI	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	LT6	Wed	18:00	
CE5807QB	2	INTEGRATED CONSTRUCTION LOGISTICS	-	CE5807 & CE5807B	Sem 1B	NG HSIAO PIAU	LT6	Wed	18:00	
CE5808QA	2	VIRTUAL DESIGN IN BIM	-	CE5808 & CE5808A	Sem1A	YEOH KER-WEI	LT2	Mon	18:00	CE5806QA will be offered in Sem-2.
CE5808QB	2	ADVANCED DIGITAL CONSTRUCTION	-	CE5808 & CE5808B	Sem 1B	WAWAN SOLIHIN	LT2	Mon	18:00	CE5806QB will be offered in Sem-2.
CE6002	4	ANALYSIS OF CIVIL ENGINEERING EXPERIMENTS	-	-	Sem 1	ONG GHIM PING, RAYMOND, YANG KAIDI	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	OOI SENG KEAT, 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	

*There will be changes to the course which will be updated in this class schedule closer to the start of the semester.

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, HE JIANZHONG, YU LIYA, ZHAO SIYAN	SDE3-LT422	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-LT424	Tue	18:00	
ESE5880A	4	TOPICS IN ENVIRONMENTAL ENGINEERING: CHEM. LAB SAFETY	ESE3 or ESE4 standing or higher	-	Sem 1	WAN NIANFENG	SDE3-LT422	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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Useful Links
CourseReg Website
GD CourseReg Schedule
GD Appeal Schedule
CourseReg Student User Guide
Academic Calendar AY2024/2025

Drop Penalty Period

	W grade takes effect from	F grade takes effect from
Semester 1	0000hrs, 26 Aug 24 to 2359hrs, 29 Sep 24	0000hrs, 30 Sep 24
Mini Sem 1A	0000hrs, 26 Aug 24 to 2359hrs, 1 Sep 24	0000hrs, 2 Sep 24
Mini Sem 1B	0000hrs, 21 Oct 24 to 2359hrs, 27 Oct 24	0000hrs, 28 Oct 24

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
AY2024/2025

		SEMESTER 1				
Regular Semester	Mini Semester	Week	Dates		Public Holidays	
Regular Semester: 18 weeks	Orientation	0	Mon, 5 Aug 2024 – Sat, 10 Aug 2024		The following dates will be observed as University holidays during the academic year: • National Day 9 Aug 2024 (Fri) • Deepavali 31 Oct 2024 (Thu) (subject to change) • NUS Well-Being Day 1 Nov 2024 (Fri) • Christmas Day 25 Dec 2024 (Wed) • New Year's Day 1 Jan 2025 (Wed) • Chinese New Year (to be confirmed) • Good Friday (to be confirmed) • Labour Day 1 May 2025 (Thu)	
	Instructional Period (6 weeks)	Mini Sem 1A: 6 weeks Instructional Period (6 weeks)	1	Mon, 12 Aug 2024		Fri, 16 Aug 2024
			2	Mon, 19 Aug 2024		Fri, 23 Aug 2024
			3	Mon, 26 Aug 2024		Fri, 30 Aug 2024
			4	Mon, 2 Sep 2024		Fri, 6 Sep 2024
			5	Mon, 9 Sep 2024		Fri, 13 Sep 2024
			6	Mon, 16 Sep 2024		Fri, 20 Sep 2024
	Recess	Reading		Sat, 21 Sep 2024		Sun, 29 Sep 2024
	Instructional Period (7 weeks)	Mini Sem 1B: 9 weeks Instructional Period (6 weeks)	7	Mon, 30 Sep 2024		Sat, 5 Oct 2024
			8	Mon, 7 Oct 2024		Fri, 11 Oct 2024
			9	Mon, 14 Oct 2024		Fri, 18 Oct 2024
			10	Mon, 21 Oct 2024		Fri, 25 Oct 2024
			11	Mon, 28 Oct 2024		Fri, 1 Nov 2024
12			Mon, 4 Nov 2024	Fri, 8 Nov 2024		
13			Mon, 11 Nov 2024	Fri, 15 Nov 2024		
Reading	Reading		Sat, 16 Nov 2024	Fri, 22 Nov 2024		
Examination	Examination (2 weeks)		Sat, 23 Nov 2024	Sat, 7 Dec 2024		
Vacation: 5 weeks			Sun, 8 Dec 2024	Sun, 12 Jan 2025		