

POSTGRADUATE COURSES - SEMESTER 2, AY2024/2025 (DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING)

Default mode of teaching: Face-to-Face. Await updates in Canvas system for respective Lecturer/s' instructions.

Timetable is updated **27 Nov 2024**. Please revisit this page or refer to the latest class schedule on NUSMods closer to the start of Semester 2, AY2024/2025.

Sem 2 (4 units courses) = 13 Jan 25 – 10 May 25

Sem 2A = 13 Jan 25 – 08 Mar 25

Sem 2B = 10 Mar 25 – 10 May 25

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Course Code		Course Title	Pre-requisites	Prerequisite	Semester	Lecturer	Venue (Verify venue closer to date)	Duration	Day	Start Time	Note
CE5106QA		Ground Improvement - Hydraulic, Vibratory & Chemical	Background in soil mechanics or equivalent	CE5106 & CE5106A	SEM 2A	CHEW SOON HOE	SDE3-LT425	03:00	Wed	18:00	
CE5106QB		Ground Improvement - Dynamic, Geosynthetic & Inclusions	CE5106QA, or CE5106A (Grad Cert students)	CE5106, or CE5106B (Grad Cert students)	SEM 2B	CHEW SOON HOE	SDE3-LT425	03:00	Wed	18:00	
CE5107QA		Pile Foundation Design	Background in soil mechanics and foundation engineering or equivalent	CE5107, or CE5107A (Grad Cert students)	SEM 2A	CHIAN SIAU CHEN	SDE3-LT426	03:00	Mon	18:00	
CE5107QB		Advanced Topics in Pile Foundation Design	CE5107QA, or CE5107A (Grad Cert students)	CE5107, or CE5107B (Grad Cert students)	SEM 2B	LIM KEN CHAI, ANAND SARMA	SDE3-LT426	03:00	Mon	18:00	
CE5112		Structural Support Systems for Excavation	CE5108, or CE5108QA & CE5108QB	-	SEM 2	QIAN XUDONG	ENG-AUD	03:00	Fri	18:00	
CE5203		Traffic Flow and Control	-	-	SEM 2	YANG KAIDI	LT7A	03:00	Thu	18:00	
CE5204		Pavement Design & Rehabilitation	-	-	SEM 2	ONG GHIM PING, RAYMOND	SDE3-LT424	03:00	Wed	18:00	
CE5214QA		Energy Demand Analysis for the Built Environment	-	-	SEM 2A	PRATEEK BANSAL	SDE3-LT426	03:00	Fri	18:00	
CE5214QB		Mobility, Climate Change, and Energy Markets	-	-	SEM 2B	PRATEEK BANSAL	SDE3-LT426	03:00	Fri	18:00	
CE5308QA		Coastal Processes and Protection	-	-	SEM 2A	JIARUI, GARY LEI	EA-06-03	03:00	Fri	18:00	
CE5308QB		Sediment Transport and Coastal Protection	-	-	SEM 2B	LI YUZHU, PEARL	EA-06-03	03:00	Fri	18:00	
CE5310		Hydroinformatics	-	-	SEM 2	VLADAN BABOVIC	E3-06-07	03:00	Thu	18:00	
CE5317QA		Eco-hydrology	-	-	SEM 2A	SIMONE FATICHI	EA-06-02	03:00	Tue	18:00	
CE5317QB		Nature Based Solutions for Coastal Protection	-	-	SEM 2B	JIARUI, GARY LEI, SIMONE FATICHI	EA-06-02	03:00	Tue	18:00	
CE5319		Circular Economy for Sustainable Development	-	-	SEM 2	PANG SZE DAI, DU HONGJIAN, GENG GUOQING, IRIS YU	LT6	03:00	Tue	18:00	
CE5513		Plastic Analysis of Structures	-	-	SEM 2	QIAN XUDONG	EA-06-02	03:00	Wed	18:00	
CE5515		Structural Health Monitoring	-	-	SEM 2	KUANG SZE CHIANG KEVIN	EA-02-11	3:00	Fri	18:00	
CE5516QA		Structural Stability Concepts & Applications	Background in structural matrix analysis	CE5516 / CE4258 / TCE4258 / CE5516A	SEM 2A	QUEK SER TONG	EA-06-03	03:00	Wed	18:00	
CE5516QB		Structural Dynamics Concepts & Applications	Background in structural matrix analysis	CE5516 / CE4258 / TCE4258 / CE5516B	SEM 2B	QUEK SER TONG	EA-06-03	03:00	Wed	18:00	
CE5604		Advanced Concrete Technology	-	TCE5604	SEM 2	KONG KIAN HAU, DU HONGJIAN	SDE3-LT422	03:00	Tue	18:00	
CE5611QA		Advanced Prestressed Concrete Design	-	CE5611 & CE5611A	SEM 2A	KONG KIAN HAU	UTown-AUD 1	03:00	Mon	18:00	
CE5611QB		Precast Structural Concrete Design	Background in Structural Concrete Design	CE5611 & CE5611B	SEM 2B	KONG KIAN HAU	UTown-AUD 1	03:00	Mon	18:00	
CE5721QA		Coastal Waves and Wind	-	CE5307 / CE5721A / OT5201 (for earlier cohorts)	SEM 2A	LOW YING MIN	E1-06-07	03:00	Mon	18:00	
CE5721QB		Coastal Environmental Loads	-	CE5307 / CE5721B / OT5201 (for earlier cohorts)	SEM 2B	PAUL ONG PANG AWW	E1-06-07	03:00	Mon	18:00	
CE5805QA		Construction Productivity Analytics	-	CE5805 & CE5805A	SEM 2A	CHUA KIM HUAT, DAVID	UTown-AUD 2	03:00	Mon	18:00	
CE5805QB		Design for Manufacture and Assembly	-	CE5805 & CE5805B	SEM 2B	CHUA KIM HUAT, DAVID	UTown-AUD 2	03:00	Mon	18:00	
CE5806QA		Advanced Construction Planning & Control	-	CE5806 & CE5806A	SEM 2A	YEOH KER-WEI	LT2	03:00	Tue	18:00	
CE5806QB		Lean Construction	-	CE5806 & CE5806B	SEM 2B	YEOH KER-WEI	LT2	03:00	Tue	18:00	
CE5809		Management and Economics of International Construction	-	-	SEM 2	CHAN WENG TAT, PAUL ONG PANG AWW	LT7	03:00	Thu	18:00	
CE6006		Advanced Finite Element Analysis	-	-	SEM 2	POH LEONG HIEN	EA-06-07	03:00	Thu	18:00	
CE6102		Geotechnical Analysis	-	-	SEM 2	GOH SIANG HUAT	E2-0307PC4 / E3-06-07	03:00	Tue	18:00	
CE6601		Characterization of Sustainable Building Materials	-	-	SEM 2	GENG GUOQING	E3-06-05	03:00	Fri	18:00	

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Course Code		Course Title	Pre-requisites	Preclusion	Semester	Lecturer	Venue (Verify venue closer to date)	Duration	Day	Start Time	Note
ESE5001		Environmental Engineering Principles	-	ESE5001AB / ESE5901 / ESE5901A & ESE5901B / NUS BEng in Env Eng.	SEM 2	LEFEBVRE OLIVIER PATRICK, BALASUBRAMANIAN, RAJASEKHAR, HU JIANGYONG, HE JIANZHONG, CHEN JIAPING, GIN YEW-HOONG, KARINA	E1-06-03	03:00	Mon	18:00	NUS BEng EVE graduates are exempted
ESE5202		Air Pollution Control Technology	-	ESE5202AB / ESE5202A & ESE5202B	SEM 2	BALASUBRAMANIAN RAJASEKHAR	LT2	03:00	Thu	18:00	
ESE5203		Aerosol Science and Technology	-	-	SEM 2	YU LIYA	LT6	03:00	Fri	18:00	Make-up lectures on Sat 09:30 to 12:30
ESE5204		Toxic and Hazardous Waste Management	-	ESE5204AB / ESE5204A & ESE5204B	SEM 2	LIM MONG HOO	ENG-AUD	03:00	Mon	18:00	
ESE5205		Sludge and Solid Waste Management	-	-	SEM 2	IRIS YU	SDE3-LT421	03:00	Tue	18:00	
ESE5880C		Topics in Env. Eng. - Environ Sys Planning & Analysis	-	-	SEM 2	ONG SAY LEONG	SDE3-LT422	03:00	Wed	18:00	

The following CAPSTONE courses will be offered in Semester-2 for students of MSc Civil Engineering (Aug 2022 cohorts onwards).

Day and venue will be confirmed at a later date.

Capstone is a project course. Class meetings will be conducted for the purpose of briefings, instructions, and other activities which will be determined by Capstone Course Coordinator/s.

Course Code		Course Title	Pre-requisites	Capstone Course Coordinator	Tentative Day	Start Time	Note
CE5002A (4 Units)		Capstone for Structural Engineering	All: CE5509QA, CE5509QB, CE5510QA, CE5510QB	Dr Kong Kian Hau & Du Hongjian	Thursday	to be confirmed	Students who have completed the following courses during Grad Cert candidature may register: CE5509A, CE5509B, CE5510A, CE5510B.
CE5002B (4 Units)		Capstone for Geotechnical Engineering	All: CE5108QA, CE5108QB, CE5113QA, CE5113QB	A/Prof Goh Siang Huat	Thursday	to be confirmed	Students who have completed the following courses during Grad Cert candidature may register: CE5108A, CE5108B, CE5113A, CE5113B.
CE5002D (4 Units)		Capstone for Transportation Engineering	At least 2 courses: CE4221, CE5203, CE5205, CE5209, CE5210.	Dr. Liu Yang & Dr. Prateek Bansal	Tuesday	to be confirmed	-
CE5002E (4 Units)		Capstone for Infrastr Digitalization & Mgt	All: CE5805QA, CE5806QA, CE5808QA, CE5808QB	Prof David Chua & Dr Paul Ong	Wednesday	to be confirmed	Students who will be taking CE5805QA and CE5806QA in Sem-2 (beginning Jan 2025) may register. Students who have completed the following courses during Grad Cert candidature may register: CE5805A, CE5806A, CE5808A, CE5808B.

The following project course is available for registration.

Please approach an academic staff from CEE Dept whose project you are keen to work on.

Ms Sally Ng (for MSc Environmental Eng) or Ms Sangeetha (for MSc Civil Eng) will share more information in January 2025.

Course Code		Course Title	Pre-requisites	Project Course Coordinator	Day	Start Time	Note
ESE5004 (8 Units)		Research Project	MSc Environmental Engineering	Prof He Jianzhong	Independent Study		A project proposal form is required.
CE5001 (8 Units)		Research Project	MSc Civil Engineering	Dr Du Hongjian	Independent Study		A project proposal form is required.

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Useful Links

CourseReg Website
GD CourseReg Schedule
GD Appeal Schedule
CourseReg Student User Guide
Academic Calendar AY2024/2025

Semester 2, AY2024/2025 Academic Calendar

				SEMESTER 2				
Regular Semester		Mini Semester		Week	Dates			
Regular Semester: 17 weeks	Instructional Period (6 weeks)	Mini Sem 2A: 8 weeks	Instructional Period (6 weeks)	1	Mon, 13 Jan 2025	~	Fri, 17 Jan 2025	
				2	Mon, 20 Jan 2025	~	Fri, 24 Jan 2025	
				3	Mon, 27 Jan 2025	~	Fri, 31 Jan 2025	
				4	Mon, 3 Feb 2025	~	Fri, 7 Feb 2025	
				5	Mon, 10 Feb 2025	~	Fri, 14 Feb 2025	
				6	Mon, 17 Feb 2025	~	Fri, 21 Feb 2025	
	Recess			Reading	Sat, 22 Feb 2025		~	Sun, 2 Mar 2025
	Instructional Period (7 weeks)	Mini Sem 2B: 9 weeks	Examination	7	Mon, 3 Mar 2025	~	Sat, 8 Mar 2025	
				8	Mon, 10 Mar 2025	~	Fri, 14 Mar 2025	
			Instructional Period (6 weeks)	9	Mon, 17 Mar 2025	~	Fri, 21 Mar 2025	
				10	Mon, 24 Mar 2025	~	Fri, 28 Mar 2025	
				11	Mon, 31 Mar 2025	~	Fri, 4 Apr 2025	
				12	Mon, 7 Apr 2025	~	Fri, 11 Apr 2025	
	Reading		Examination (2 weeks)	13	Mon, 14 Apr 2025	~	Fri, 18 Apr 2025	
				Sat, 19 Apr 2025		~	Fri, 25 Apr 2025	
	Examination		Sat, 26 Apr 2025		~	Sat, 10 May 2025		
Vacation: 12 weeks					Sun, 11 May 2025	~	Sun, 3 Aug 2025	