

National Taiwan University
College of Engineering
Courses taught in English
Spring Semester, 2025
Graduate Courses

Department	Course No.	Course Title	Instructor
Graduate Institute of Civil Engineering	521 M6640	土木工程專題討論	楊國鑫/KUO-HSIN YANG
			詹澄潔/Ying-Chieh Chan 科林/STARK, COLIN PETER 朱致遠/CHIH-YUAN CHU 吳東諭/Tung-Yu Wu
Civil Engineering, Geotechnical Engineering Division	521 M2210	大地地震工程 Geotechnical Earthquake Engineering	郭安妮/ON-LEI(ANNIE) KWOK
	521 M3700	基礎設計與分析 Foundation Design and Analysis	邱俊翔/Jiunn-Shyang Chiou
	521 U0070	大地工程之數值分析法 Numerical Methods in Geotechnical Engineering	王泰典/TAI-TIEN WANG
	521 U3270	岩石力學 Rock Mechanics	王泰典/TAI-TIEN WANG
	521EU3610	地工合成材料之應用 Application of Geosynthetics	楊國鑫/KUO-HSIN YANG
	521 U8750	大地工程可靠度分析與設計 Geotechnical Reliability Analysis and Reliability-based Design	卿建業/JIANYE CHING
	521EU9050	大地工程實務 Geotechnical Engineering Practice	謝旭昇/HSIEH, HSII-SHENG
	521 M2210	大地地震工程 Geotechnical Earthquake Engineering	郭安妮/ON-LEI(ANNIE) KWOK
	521EM1090	鋼筋混凝土構材之剪力分析與設計 Shear Analysis and Design of Reinforced Concrete Members	黃世建/Shyh-Jiann Hwang
	521EM1160	塑性力學 Theory of Plasticity	劉立偉/Li-Wei Liu
	521EM1210	有限元素法 Method of Finite Elements	吳東諭/Tung-Yu Wu
	521EM6200	結構力學專題討論 Seminar in Structural Mechanics	周中哲/Chung-Che Chou
	521 M6480	結構控制一 Structural Control (I)	張家銘/Chia-Ming Chang
	521EM7180	鋼結構耐震設計 Seismic Design of	蔡克銓/Keh-Chyuan Tsai

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		Steel Structures	
Civil Engineering, Hydraulic Engineering Division	521EM2410	高等水文分析 Advanced Hydrologic Analysis	陳慈愷/Tzu-Yin Chen
Civil Engineering, Transportation Engineering Division	521EU8850	旅行者行為分析 Traveler Behavior Analysis	許聿廷/YU-TING HSU
	521EM6460	交通量測與控制 Traffic Measurement Control	陳彥向/Chen, Yen-Hsiang
Civil Engineering, Construction Engineering and Management Division	521 U9060	建築物物理與永續設計 Building Physics and Sustainable Design	詹滢潔/Ying-Chieh Chan
	521 U7180	可靠度與風險評估 Reliability and Risk Assessment	林偲妘/Szu-Yun Lin
Civil Engineering, Computer-Aided Engineering Division	521EM1210	有限元素法 Method of Finite Elements	吳東諭/Tung-Yu Wu
	521EM5160	BIM 導入實務與演練 BIM Implementation Practice	謝尚賢/Shang-Hsien Hsieh
	521 U9310	深度學習應用於電腦視覺 Deep Learning in Computer Vision	吳日騰/Rih-Teng Wu
Civil Engineering, Surveying Engineering Division	521 M6420	攝影測量特論 Special Topic in Photogrammetry	趙鍵哲/Jen -Jer Jaw
	521 M7320	衛星大地測量學特論 Special Topic in Satellite Geodesy	韓仁毓/JEN-YU HAN
Mechanical Engineering	ME7134	系統識別	李宇修/Yu-Hsiu Lee
	ME7141	機器動力學	蘇偉僑/Wei-Jiun Su
	ME5150	高等熱傳學	呂明璋/MING-CHANG LU
	ME5245	自動化光學檢測原理與應用	陳亮嘉/LIANG-CHIA CHEN
	ME5247	數位控制系統	楊士進/SHIH-CHIN YANG
	ME5009	進階控制器設計	邱祚之/GEORGE TSU-CHIH CHIU
	ME5057	機率方法	林以凡/I-Fan Lin
	ME5059	車輛動態學	詹魁元/Kuei-Yuan Chan
	ME5066	人因工程概論	張秉純/BIING-CHWEN CHANG
	ME5072	主題英語不尬聊	林以凡/I-Fan Lin
	ME5073	穿戴機器人設計	張秉純/BIING-CHWEN

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			CHANG
	ME5083	積層製造與 3D 列印	杜智賦/ALBERT CHI FU TO
Chemical Engineering	ChemE7003	Advanced Chemical Engineering Thermodynamic	闕居振/Chu-Chen Chueh
	ChemE7006	Advanced Heat and Mass Transfers	崔宏瑋/Hung-Wei Tsui
	ChemE5066	Special Topics on Statistical Thermodynamics	吳台偉/David Tai-Wei Wu
	524 M0030	專題討論 Seminar	林祥泰、呂宗昕、蔡偉博、余柏毅 Shiang-Tai Lin/ Chung-Hsin Lu/ Wei-Bor Tsai/ Bor-Yih Yu
ESOE	ESOE7035	Finite Volume Method in Computational Fluid Dynamics and Heat Transfer	趙修武/CHAU, SHIU WU
Materials Science and Engineering	527U3190	Energy Materials	陳俊維/Chun-Wei Chen
	527 U2300	Ceramic Materials Processing and Technology	黃皓庭/Haw-Tyng Huang
	527 U2200	Thermoelectric Materials	吳欣潔/Hsin-Jay Wu
	527 U0150	Powder Metallurgy	蔡劭璞/Shao-Pu Tsai
	527 M1230	Mechanical Behavior of Materials	顏鴻威/Hung-Wei (Homer) Yen
	527 U0070	Kinetics of Materials	蘇德徵/Te-Cheng Su
	527 M4400	Ceramics Smart Materials	謝宗霖/Tzong-Lin Jay Shieh
Biomedical Engineering	DBME7094	Human Physiology and Anatomy in Biomedical Engineering (II)	林頌然/Sung-Jan Lin
	DBME7099	Cell and Molecular Biology	趙本秀/PENHSIU CHAO
	DBME5036	Applications of Mems for Cell and Tissue Physiology	趙本秀/PENHSIU CHAO
	DBME5001	Introduction to Biomaterials	林峯輝/Feng-Huei Lin
	DBME7032	Mathematic for Biomedical Engineering (2)	程子翔/Kevin T. Chen
	DBME 5031	Introduction to Biophotonics	程子翔/Kevin T. Chen
Environmental Engineering	541 M0710	Analysis of environmental chemical pollutants	林郁真/ANGELA YU-CHEN LIN
	541 M0820	Applied Machine Learning	郭大孚/Ta Fu Dave, Kuo
	541 M1050	Biological Treatment Processes	于昌平/Chang-Ping Yu

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	541 M0450	Particulate Pollutants Control Theory	蕭大智/TA-CHIH HSIAO
	541 M0630	Unit Operation of Environmental Engineering	林逸彬/Yi-Pin Lin
	541 M4050	Environmental Planning and Management	王興睿/Hsing-Jui Wang
Applied Mechanics	AM7006/543 M1020	Applied Mathematics (I)	吳光鐘/Kuang-Chong Wu
	AM7008/543 M1110	Numerical Methods for Engineering Science	周逸儒/Yi-Ju Chou
	AM7021/543 M4010	Dynamics	陳志鴻/Chih-Hung Chen
	AM7050/543 M5110	Elasticity (I)	劉佩玲/Pei-Ling Liu
	AM7166/543 M5310	Introduction to Cellular BioMEMS and Biomicrofluidics	許聿翔/Yu-Hsiang Hsu/
	AM7187/543 M5430	Practices of Microsensors	李尉彰/Wei-Chang Li
	AM7097/543 M6110	Fundamental of Fluid Dynamics	李雨/U Lei
	AM7183/543 M6460	Introduction to Nanotechnology	陳建甫/Chien-Fu Chen
Building & Planning	BP7150	文化襲產研究/Cultural Heritage Studies	黃舒楣/Shu-Mei Huang
	BP7221	當代亞洲的後殖民空間再現/The Representation of Postcolonial Spaces in Contemporary Asia	林家暉/CHIA-HUI LIN
	BP7243	環境規劃設計實習三 A3/Workshop of Environmental Planning and Design (III)A3	郭怡君/I-Chun Kuo
Industrial Engineering	IE5054	Data Analytics	藍俊宏/JAKEY, BLUE
	IE5038	Dynamic Programming	吳政鴻/CHENG-HUNG, WU
	IE5041	Production and Operations Scheduling	黃奎/HUANG, KWEI-LONG
	IE5049	Introduction to Statistical Control and Optimization	陳正剛/ARGON, CHEN
	IE5061	Optimization for Machine Learning	黃道宏/KEVIN DOWHON, HUANG
Polymer Science and Engineering	PSE7030	Special Topic in Polymer and Surface Analysis	賴育英/Yu-Ying Lai
TIGP- Molecular Science and Technology	551 D0050	Special Studies on Topics about Molecular Science and Technology 分子科學與技術專題研究	陳俊維/CHUN WEI CHEN

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	551 D0070	Colloquium 專題討論	陳俊維/CHUN WEI CHEN
	551 D0080	Seminar 書報討論	余慈顏/Tsyr-Yan Yu
Taiwan International Graduate Program for Sustainable Chemical Science and Technology	Phys8099	Advanced Nanotechnology	李尚凡/Lee, Shang-Fan
	Phys8150	Advanced Materials: Fundamentals and Applications	林麗瓊/LI-CHYONG CHEN
	Chem8036	Discussion in Advanced Chemical Biology (II)	林俊宏/Chun-Hung Lin
	SCST8001	Thesis (Ph.D)	
	SCST8002	Seminar	江明錫/Ming-Hsi Chiang
	SCST8003	Colloquium	章為皓/Wei-Hau Chang
	SCST8004	Lab Rotation	黃人則/Jen-Tse Huang
	SCST8009	Research Seminar	洪政雄/Chen-Hsiung Hung
	SCST8013	Special Topics in Heterogeneous Catalysis	黃人則/Jen-Tse Huang
	SCST8008	Introduction to Sustainable Chemical Science and Technology II	洪政雄/Chen-Hsiung Hung
	SCST8010	Advanced Chemistry of Materials	黃人則/Jen-Tse Huang
	BChem8021	Experimental Molecular Biophysics	凌嘉鴻/STEVEN LIN
	BChem7019	Glycobiology	邱繼輝/Kay Hooi Khoo