

National Taiwan University
College of Engineering
Courses taught in English
Spring Semester, 2026
Graduate Courses

Department	Course No.	Course Title	Instructor
Graduate Institute of Civil Engineering	521 M6640	土木工程專題討論 Civil Engineering Seminar	許聿廷/YU-TING HSU
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	翁孟嘉/Meng-Chia Weng
	521 U9250	深開挖設計與分析 Deep Excavation Analysis and Design	謝旭昇/HSIEH, HSII-SHENG
Civil Engineering, Structural Engineering Division	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	吳日騰/Rih-Teng Wu
	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 Steel Structures	周中哲/Chung-Che Chou
Civil Engineering, Hydraulic Engineering Division	521EM2410	高等水文分析 Advanced Hydrologic Analysis	陳慈愷/Tzu-Yin Chen
	521 M5230	序率泥砂運動學 Stochastic Sediment Transport	蔡宛珊/Christina Wan Shan Tsai

Department	Course No.	Course Title	Instructor
		Modeling	
Civil Engineering, Transportation Engineering Division	521EU8850	旅行者行為分析 Traveler Behavior Analysis	許聿廷/YU-TING HSU
Civil Engineering, Construction Engineering and Management Division	521 U9060	建築物理與永續設計 Building Physics and Sustainable Design	詹滢潔/Ying-Chieh Chan
Civil Engineering, Computer-Aided Engineering Division	521EM1210	有限元素法 Method of Finite Elements	吳東諭/Tung-Yu Wu
	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	ME7008	計算流體力學	潘國隆/ KUO-LONG PAN
	ME7123	波動力學	莊國志/KUO-CHIH CHUANG
	ME7126	破壞力學	黃琮暉/ TSUNG-HUI HUANG
	ME7134	系統識別	李宇修/ YU-HSIU LEE
	ME7141	機器動力學	蘇偉儂/ WEI-JIUN SU
	ME5113	數值分析	蔡協澄/ HSIEH-CHEN TSAI
	ME5150	高等熱傳學	許麗/ LI XU
	ME5163	有限元素法導論	黃琮暉/ TSUNG-HUI HUANG
	ME5224	訊號與系統	林以凡/I-FAN LIN
	ME5245	自動化光學檢測原理與應用	陳亮嘉/ CHEN,LIANG- CHIA
	ME5247	數位控制系統	楊士進/ SHIH-CHIN YANG
	ME5047	微奈米尺度熱傳	呂明璋/MING-CHANG LU
	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	

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	ME5072	主題英語不尬聊	林以凡/I-FAN LIN
	ME5088	相變化熱傳	呂明璋/MING-CHANG LU
	ME5090	生活中的力學	莊國志/KUO-CHIH CHUANG
	ME5091	循環經濟與能源轉型	林心恬/HSIN-TIEN LIN
	ME5093	發動機噴霧與燃燒的建模與模擬	李佳峯/ CHIA-FON LEE
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	Advanced Topics in Physical Chemistry	吳台偉/ David Tai-Wei Wu
	ChemE7011	Advanced Process Control	吳哲夫/ Jeffrey D. Ward
	ChemE7001	專題討論 Seminar	吳乃立、呂宗昕、陳立仁 Nae-Lih Wu /Chung-Hsin Lu/ Li-Jen Chen
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 U0070	Kinetics of Materials	蘇德徵/ Te-Cheng Su
	527 M4400	Ceramics Smart Materials	謝宗霖/ Tzong-Lin Jay Shieh
Biomedical Engineering	DBME7032	Mathematic for Biomedical Engineering (2)	程子翔/Kevin T. Chen
	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
	DBME 5031	Introduction to Biophotonics	程子翔/Kevin T. Chen
	DBME5036	Applications of Mems for Cell and Tissue Physiology	趙本秀/PENHSIU CHAO
	DBME5037	Biomedical Sensors	林宗宏/Zong-Hong Lin
	DBME5042	Medical Microsensor	林啟萬/CHII-WANN LIN
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
	541 M0290	Air Quality Management	丁育韻/ Yu-Chieh Ting
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	劉治綸 Chih-Lun Liu
	AM7183/543 M6460	Introduction to Nanotechnology	陳建甫 Chien-Fu Chen
	AM7201/543 M8170	Additive Manufacturing	覺元彙 Yuan-Hui Chueh
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
	BP7251	環境規劃設計實習四 A4/Environmental Planning and Design Studio (IV)A4	張聖琳/SHENGLIN CHANG
Industrial Engineering	IE5054	Data Analytics	藍俊宏 JAKY, BLUE
	IE5038	Dynamic Programming	吳政鴻 CHENG-HUNG, WU
	IE5041	Production and Operations Scheduling	黃奎隆 KWEI-LONG, HUANG
	IE5049	Introduction to Statistical Control and Optimization	陳正剛 ARGON, CHEN
	IE5061	Optimization for Machine Learning	黃道宏 KEVIN DOWHON, HUANG
	IE5067	Analytical Mind with Secondary Data	傅耀葦 Wayne Fu
	IE5064	Intelligent Manufacturing Systems	高鈺婷 YU TING, KAO

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		and Management	
Polymer Science and Engineering	PSE7043	Polymer Surface Characterization	賴育英/YU-YING LAI
TIGP- Molecular Science and Technology	551 D0050	分子科學與技術專題研究 Special Studies on Topics about Molecular Science and Technology	陳俊維/Chun-Wei Chen
	551 D0070	專題討論 Colloquium	陳俊維/Chun-Wei Chen
	551 D0080	書報討論 Seminar	余慈顏/Tsyr-Yen Yu
	551 D0180	量子材料的對稱性與電子結構 Symmetry and Electronic Structure in Quantum Materials	余慈顏/Tsyr-Yen 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
	Chem8041	Advanced Organic Chemistry (I)(tigr)	陳玉如 YU-JU CHEN
	Chem8045	Advanced Analytical Chemistry (I)(tigr)	陳玉如 YU-JU CHEN
	Chem7032	Advanced Physical Chemistry (II) (quantum Chemistry)	陳玉如 YU-JU CHEN
	SCST8001	Thesis (Ph.D)	
	SCST8002	Seminar	江明錫 Ming-Hsi Chiang
	SCST8003	Colloquium	章為皓 Wei-Hau Chang
	SCST8009	Research Seminar	洪政雄 Chen-Hsiung Hung
	SCST8008	Introduction to Sustainable Chemical Science and Technology II	洪政雄 Chen-Hsiung Hung
	BChem8021	Experimental Molecular Biophysics	凌嘉鴻 STEVEN LIN
	BChem7019	Glycobiology	邱繼輝 Kay Hooi Khoo
	BChem5068	Chemistry of Natural Products	林曉青 Hsiao-Ching Lin
BChem5069	Pharmaceutical Chemistry	呂桐睿 Todd L. Lowary	