

National Taiwan University
College of Engineering
Courses taught in English
Spring Semester, 2024
Graduate Courses

Department	Course No.	Course Title	Instructor
Civil Engineering	521 M6640	土木工程專題討論	詹滢潔/ Ying-Chieh Chan、 卿建業/ JIANYE CHING、 卡艾璋/ CAPART HERVE、 陳柏華/ Albert Y. Chen
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 M5590	邊坡穩定 Slope Stability	林美聆/ Meei-Ling Lin
	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	鄭富書/ Fu-Shu Jeng
	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
	521 U3270	岩石力學 Rock Mechanics	鄭富書/ Fu-Shu Jeng
	521EU9050	深開挖設計與分析 Deep Excavation Analysis and Design	謝旭昇/ HSIEH, HSII- SHENG
Civil Engineering, Structural Engineering Division	521EM7180	鋼結構耐震設計 Seismic Design of Steel Structures	蔡克銓/ Keh-Chyuan Tsai
	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	張書璋/ SHU-WEI CHANG
	521 M6650	高樓之結構分析與設計	鄭君尚/ JUN-SHANG

Department	Course No.	Course Title	Instructor
		Structural Analysis and Design of Tall Buildings	KUANG
	521 M6480	結構控制一 Structural Control (I)	張家銘/ Chia-Ming Chang
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
	521 U7180	可靠度與風險評估 Reliability and Risk Assessment	林偲妘/ Szu-Yun Lin
Civil Engineering, Transportation Engineering Division	521 M6140	鋪面設計與管理 Pavement Design and Management	周家蓓/ CHIA-PEI CHOU
	521EU8850	旅行者行為分析 Traveler Behavior Analysis	許聿廷/ YU-TING HSU
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 /522EM3290	系統識別 System Identification	李宇修/ Yu-Hsiu Lee
	ME7141 /522EM3790	機器動力學 Dynamics of Machines	蘇偉儁/ Wei-Jiun Su
	ME7156 /522EM4240	週期結構波傳學 Wave Propagation in Periodic Structures	劉建豪/ Chien-Hao Liu
	ME5150 /522EU3740	高等熱傳學 Advanced Heat Transfer	呂明璋/ Ming-Chang Lu
	ME5224 /522EU5080	訊號與系統 Signals and Systems	林以凡/ I-Fan Lin
	ME5245 /522EU5320	自動化光學檢測原理與應用 Theory and Applications of Automated Optical Inspection	陳亮嘉/ Chen Liang-Chia
	ME5247 /522EU5350	數位控制系統 Digital Control System	楊士進/ Shih-Chin Yang
	ME5047	微奈米尺度熱傳	呂明璋/ Ming-Chang Lu

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	/522EU6230	Micro/Nanoscale Heat Transfer	
	ME5066 /522EU6430	人因工程概論 Introduction to Human Factors Engineering	張秉純/ Biing-Chwen Chang
	ME5072 /522EU6440	主題英語不尬聊 TNT for communicating in English with confidence	林以凡/ I-Fan Lin
	ME5073 /522EU6510	穿戴機器人設計 Wearable Robotics and Design	張秉純/ Biing-Chwen Chang
	ME5076 /522EU6540	當代科技與人類發展 Innovation through Modern Technology and Human Development	林以凡/ I-Fan Lin
Chemical Engineering	ChemE7003	Advanced Chemical Engineering Thermodynamic	康敦彥/ Dun-Yen Kang
	ChemE7006	Advanced Heat and Mass Transfers	崔宏瑋/ Hung-Wei Tsui
	ChemE7041	Advanced Topics in Physical Chemistry	吳台偉/ David Tai-Wei Wu
	ChemE7011	Advanced Process Control	吳哲夫/ Jeff Ward
	524 M0030	Seminar	陳立仁、陳賢燁、康敦彥、游琇仔 Li-Jen Chen/ Hsien-Yeh Chen/ Dun-Yen Kang/ Hsiu-Yu Yu
Engineering Science and Ocean Engineering	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
Biomedical Engineering	DBME5001	Introduction to Biomaterials	林峯輝/ Feng-Huei 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
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
	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

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Applied Mechanics	AM7006543 M1020	Applied Mathematics (I)	吳光鐘/ Kuang-Chong Wu
	AM7008543 M1110	Numerical Methods for Engineering Science	周逸儒/ Yi-Ju Chou
	AM7021543 M4010	Dynamics	陳志鴻/ Chih-Hung Chen
	AM7050543 M5110	Elasticity (I)	劉佩玲/ Pei-Ling Liu
	AM7166543 M5310	Introduction to Cellular BioMEMS and Biomicrofluidics	許聿翔/ Yu-Hsiang Hsu
	AM7187543 M5430	Practices of Microsensors	李尉彰/ Wei-Chang Li
	AM7097543 M6110	Fundamental of Fluid Dynamics	潘斯文/ Stephen Payne
	AM7183543 M6460	Introduction to Nanotechnology	陳建甫/ Chien-Fu Chen
	AM7140543 M6940	Introduction to Micro/nano-mechanics	李雨/ U Lei
	AM7183543 M6460	Technical Communication and Writing	胡文聰/ Andrew Wo
Building & Planning	BP7111	宜居城市研究專題 Special Topic on Livable Cities	黃麗玲/ LI-LING 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
	MPB5090	地景認同：跨文化與生態的地方實踐 Landscape identity: transcultural and ecological local practices	張聖琳/ SHENGLIN CHANG
Industrial Engineering	IE5054	Data Analytics	藍俊宏/ CHUN-HUNG LAN
	IE5038	Dynamic Programming	吳政鴻/ CHENG-HUNG, WU
	IE5041	Production and Operations Scheduling	黃奎隆/ HUANG, KWEI-LONG
	IE5049	Introduction to Statistical Control and Optimization	陳正剛/ Argon, Chen
Taiwan International Graduate Program for Sustainable Chemical Science	Phys8099	Advanced Nanotechnology	張嘉升/ Chang, Chia-Seng
	Phys8150	Advanced Materials: Fundamentals and Applications	林麗瓊/ LI-CHYONG CHEN
	Chem8045	Advanced Analytical Chemistry	陳玉如/ YU-JU CHEN

Department	Course No.	Course Title	Instructor
and Technology		(I)(tigr)	
	Chem7032	Advanced Physical Chemistry (II) (quantum Chemistry)	陳玉如/ YU-JU CHEN
	ChemE7003	Advanced Chemical Engineering Thermodynamics	康敦彥/ Dun-Yen Kang
	ChemE7006	Advanced Heat and Mass Transfer	崔宏瑋/ Hung-Wei Tsui
	ChemE7011	Advanced Process Control	吳哲夫/ Jeffrey Daniel Ward
	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
	Chem8041	Advanced Organic Chemistry (I)(tigr)	陳玉如/ YU-JU CHEN
	BChem8021	Experimental Molecular Biophysics	凌嘉鴻/ STEVEN LIN
	BChem7019	Glycobiology	邱繼輝/ Kay Hooi Khoo
International Graduate Program of 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/ Tsy-Yan Yu