

ESTR Courses Offered in 2025-26(updated on August 2025)

ELITE Course Code	Department Course Code	Course Title	Offering Format (M: Mirror; R: Real)	Course Teacher	Course Registration (Y: Approach Course Teacher for Approval; N: Apply through Faculty Office)
Term 1					
ESTR1002	ENGG1110	Problem Solving by Programming 程式設計與解難	R	Dr. YIN Ho Fai Hoover	N
ESTR1007	ENGG1125	Single Variable Calculus 單元微積分及其工程應用	R	Professor Chandrasekhar MADHAVAN NAIR	N
ESTR2004	ENGG2440	Discrete Mathematics for Engineers 離散數學的工程應用	M	Prof. WAI Hoi To	N
ESTR2014	ENGG2720	Complex Variables for Engineers 複變量及其工程應用	M	Prof. Amin AMINZADEH GOHARI	N
ESTR2018	ENGG2760	Probability for Engineers 概率及其工程應用	M	Prof. Farzan FARNIA	N
ESTR3114	AIST3030	Numerical Optimization 數值優化	M	Prof. Farzan FARNIA	N
ESTR4140	AIST4010	Foundation of Applied DL 應用深度學習基礎	M	Prof. LI Yu	Y
ESTR2100	CENG2400	Embedded System Design 嵌入式系統設計	M	Prof. XU Qiang	N
ESTR2106	CSCI2720	Building Web Applications 建設網上應用程式	M	Dr. TSANG Siu Chung	N
ESTR3108	CSCI3230	Fundamentals of Artificial Intelligence 人工智能之基本原理	M	Prof. DOU Qi	N
ESTR4120	CSCI4430	Data Comm & Computer Networks 數據通信及計算機網絡	M	Prof. XU Hong	N
ESTR3214	ELEG3213	Applied Electromagnetics 電磁場與電磁波	M	Prof. WU Kw Li	N
ESTR3300	IERG3010	Digital Communications 數字通信	M	Prof. LOK Tat Ming	Y
ESTR3306	IERG3320	Social Media and Human Information Interaction 社交媒體與人際信息互動	M	Prof. CHAN Yuen Yan	Y

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ESTR4300	IERG4300	Web-scale Information Analytics 網絡規模資訊分析	M	Prof. LAU Wing Cheong	Y
ESTR2360	MIEG2051	Fourier Analysis with Engineering Applications 傅里葉分析及其工程應用	M	Prof. Chandra NAIR	Y (N for IERG and MIEG student)
ESTR4510	SEEM4750	Advances in LSCM 高級物流與供應鏈管理	M	Dr. HO Sin Cheung	N

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Term 2					
ESTR1003	ENGG1310	Engineering Physics: Electromagnetics, Optics and Modern Physics 工程物理	R	Prof. ZHAO Ni	N
ESTR1005	ENGG1120	Linear Algebra for Engineers 線性代數及其工程應用	R	Prof. LONG Zhuoyu	N
ESTR1006	ENGG1130	Multivariable Calculus for Engineers 多元微積分及其工程應用	R	Dr. HAN Dongkun	N
ESTR2016	ENGG2740	Differential Equations for Engineers 微分方程及其工程應用	M	Prof. HUANG Chaoran	N
ESTR2020	ENGG2780	Statistics for Engineers 統計及其工程應用	M	Prof. PAN Jialin	N
ESTR2206	ENGG2030	Signals and Systems 信號與系統	M	Ms NGAN Lai Yin	Y
ESTR3100	CENG3430	Rapid Prototyping of Dig Sys 數字系統之快速原型技術	M	Prof. YANG Ming Chang	N
ESTR2102-	CSCI2100A	Data Structures 數據結構	M	Prof. Irwin KING	N
ESTR3106	CSCI3180	Principles of Programming Lang 程序設計語言原理	M	Prof. Lauren Marcelyn PICK	N
ESTR4104	CSCI4160	Dist & Parallel Computing 分佈式及並行式計算	M	Prof. LO Chi Lik Eric	N
ESTR3200	ELEG3201	Microelectronic Devices and Circuits 微電子器件與電路	M	Prof. PUN Kong Pang	Y
ESTR2520	FTEC2101	Optimization Methods 優化方法	M	Prof. WAI Hoi To	Y
ESTR2300	IERG2310	Principles of Communication Systems 通信系統原理	M	Prof. LOK Tat Ming	Y
ESTR2306	IERG2080	Intro to Sys Programming 系統編程導論	R	Dr. YIN Ho Fai Hoover	Y

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ESTR2308	IERG2470	Probability Models and Appli'n 概率模型及應用	M	Prof. LIN Xiaojun	Y
ESTR3302	IERG3280	Networks: Technology, Economics, and Social Interactions 網絡：技術，經濟，和社會互動	M	Prof. ZHAO Changhong	Y
ESTR2362	MIEG2440	Discrete Structures and Probability 離散結構及概率論	M	Prof. Amin AMINZADEH GOHARI	Y
ESTR3408	MAEG3060	Introduction to Robotics 機器人學導論	M	Prof. Darwin LAU	N