

ESTR Courses Offered in 2019-20(updated on 16 Jan 2020)

Department Course Code	ELITE 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					
ENGG1110	ESTR1002	Problem Solvingby Programming	R	Prof. Philip Fu	N
ENGG2420	ESTR2000	Complex Analysis and Differential quations for Engineers	M	Prof. Pascal Vontobel	N
ENGG2440	ESTR2004	Discrete Mathematics for Engineers	R	Prof. Anthony So	N
BMEG3101	ESTR3601	Medical Instrumentation and Design	M	-Prof. Raymond Tong -Prof. Li Zheng	N
CENG2400	ESTR2100	Embedded System Design	M	Prof. Xu Qiang	N
CSCI3150	ESTR3102	Introduction to Operating Systems	M	Prof. Shao Zili	N
CSCI3230	ESTR3108	Fundamentals of Artificial Intelligence	M	Prof. Leung Kwong Sak	N
CSCI4160	ESTR4104	Distributed and Parallel Computing	M	Prof. Eric Lo	N
CSCI4180	ESTR4106	Introduction to Cloud Computing and Storage	M	Prof. Patrcik Lee	N
ENGG2030	ESTR2206	Signals and Systems	M	Miss Ngan Lai Yin	Y
ELEG3213	ESTR3214	Fundamentals of Applied Electromagnetics	M	Prof. Wu Keli	Y
IERG2051A	ESTR2302	Signals and Systems	M	Prof. Lok Tat Ming	N
IERG2060	ESTR2304	Basic Analog and Digital Circuits	M	Dr. Marco Ho	Y
IERG3310	ESTR3310	Computer Networks	M	Prof. Xing Guoliang	Y
IERG3320	ESTR3306	Social Media and Human Information Interaction	M	Prof. Chan Yuen Yan	Y
IERG4300	ESTR4300	Web-scale Information Analytics	M	Prof. Lau Wing Cheong	Y
EEEN3010	ESTR3410	Building Automation and Control	M	Prof. Chen Chun	N
EEEN4050	ESTR4422	Energy Storage Devices and Systems	M	Prof. Lu Yi Chun	Y
MAEG3060	ESTR3408	Introduction to Robotics	M	Prof. Darwin Lau	N

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MAEG4010	ESTR4408	Computer-integrated Manufacturing	M	Dr. Li Yiyang	N
MAEG4030	ESTR4412	Heat Transfer	M	Prof. Xu Dongyan	Y
MAEG4080	ESTR4420	Introduction to Combustion	M	Prof. Ren Wei	Y
SEEM3440	ESTR3500	Operations Research II	M	Prof. Ng Chi Kong	N
SEEM3460	ESTR3504	Computer Processing Systems Concepts	M	Prof. Lam Wai	N

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Term 2					
ENGG1310	ESTR1003	Engineering Physics: Electromagnetics, Optics and Modern Physics	R	Prof. Chester Shu	N
ENGG1120	ESTR1005	Linear Algebra for Engineers	R	Prof. Sidharth Jaggi	N
ENGG1130	ESTR1006	Multivariable Calculus for Engineers	R	Dr. Han Dongkun	N
ENGG2430	ESTR2002	Probability and Statistics for Engineers	R	Prof. Daniel Long	N
BMEG2011	ESTR2203	Biomedical Engineering Laboratory	M	-Prof. Ho Ho Pui -Prof. Duan Liting	N
BMEG4450	ESTR4202	Bionanotechnology	M	-Prof. Jonathan Choi -Prof. Duan Liting	N
CSCI2100A	ESTR2102	Data Structures	M	Prof. Irwin King	N
CSCI2100E	ESTR2102B	Data Structures	M	Dr. William Hui	Y
CSCI4430	ESTR4120	Data Communication and Computer Networks	M	Prof. Patrick Lee	N
ENGG2030	ESTR2206	Signals and Systems	M	Miss Ngan Lai Yin	Y
ELEG3103	ESTR3216	Robotic Perception and Intelligence	M	Prof. Meng Qing Hu	Y
ELEG3201	ESTR3200	Microelectronic Devices and Circuits	M	Prof. Pun Kong Pang	Y
ELEG4214	ESTR4222	RF Circuits for Wireless Systems	M	Prof. Yu Ming	Y
ENGG2310B	ESTR2300	Principles of Communication Systems	M	Prof. Zhang Yingjun	Y
IERG2051	ESTR2302	Signals and Systems	M	Prof. Chandra Nair	N
IERG3310	ESTR3310	Computer Networks	M	Prof. Xing Guoliang	Y
IERG4090	ESTR4302	Networking Protocols and Systems	M	Prof. Lee Hiu Bun	Y
IERG4130	ESTR4306	Introduction to Cyber Security	M	Prof. Zhang Kehua	Y

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Term 2					
EEEN2040	ESTR2404	Building Service Engineering and Green Building	M	Prof. Chen Chun	N
EEEN3030	ESTR3402	Engineering Materials	M	Prof. Lu Yi Chun	Y
MAEG2030	ESTR2402	Thermodynamics	M	Prof. Xu Dongyan	Y
MAEG4020	ESTR4410	Finite Element Modelling and Analysis	M	Prof. Charlie Wang	N
FTEC2101	ESTR2520	Optimization Methods	M	Prof. Wai Hoi To	Y