

ESTR Courses Offered in 2018-19(updated on 04 Jan 2019)

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	ESTR1002A	Problem Solving by Programming	R	Prof. Fu Chi Wing	N
ENGG2420	ESTR2000	Complex Analysis and Differential Equations for Engineers	R	Prof. Pascal Vontobel	N
ENGG2440	ESTR2004	Discrete Mathematics for Engineers	M	Prof. Andrej Bogdanov	N
ENGG2310A	ESTR2300	Principles of Communication Systems	M	Prof. Chan Chun Kit	Y
BMEG2210	ESTR2204	Orthopaedic Biomechanics and Musculoskeletal Injury	M	- Prof. Cheung Wing Hoi - Prof. HO Yi Ping - Prof. Mak Fuk Tat - Prof. Qin Ling	N
BMEG3101	ESTR3601	Medical Instrumentation and Design	M	- Prof. Li Zheng - Prof. Tong Kai Yu	N
CENG2400	ESTR2100	Embedded System Design	M	Prof. Xu Qiang	N
CSCI2100	ESTR2102	Data Structures	M	Prof. Tao Yufei	N
CSCI3150	ESTR3102	Intro to Operating Systems	R	Prof. Lo Chi Lik, Eric	N
CSCI3160	ESTR3104	Design & Analysis of Algorithms	M	Prof. Cai Leizhen	N
CSCI3230	ESTR3108	Fundamentals of AI	M	Prof. Leung Kwong Sak	N
CSCI4180	ESTR4106	Intro to Cloud Comp & Storage	M	Prof. Lee Pak Ching	N
EEEN3010	ESTR3410	Building Automation and Control	M	Prof. Chen Chun	N
ELEG3203	ESTR3214	Electromagnetic Fields & Waves	M	Prof. Wu Ke Li	Y
IERG2060	ESTR2304	Basic Analog and Digital Circuits	M	Dr. Ho Marco	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
IERG4100	ESTR4304	Wireless Communication Systems	M	Prof. Zhang Yingjun	Y
MAEG3060	ESTR3408	Introduction to Robotics	M	Prof. Lau Tat Ming	N
SEEM3440	ESTR3500	Operations Research II	M	Prof. Ng Chi Kong	N
SEEM4610	ESTR4502	Supply Chain Management	M	Prof. Long Zhuoyu	N

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Term 2					
ENGG1110	ESTR1002B	Problem Solving by Programming	R	Dr. Hui Ka Yu	N
ENGG1310	ESTR1003	Engineering Physics: Electromagnetics, Optics and Modern Physics	R	Prof. Shu Ching Tat	N
ENGG1410	ESTR1004	Linear Algebra and Vector Calculus for Engineers	R	Prof. Sidharth Jaggi	N
ENGG2030	ESTR2206	Signals and Systems	M	Prof. Lee Tan	Y
ENGG2310A	ESTR2300	Principles of Communication Systems	M	Prof. Chan Chun Kit	Y
ENGG2430A	ESTR2002	Probability and Statistics for Engineers	M	Prof. Andrej Bogdanov	N
BMEG2011	ESTR2203	Biomedical Engineering Laboratory	M	- Prof. Ho Ho Pui - Prof. Ho Yi Ping	N
BMEG2300	ESTR2601	Circuits and Signals for Biomedical Engineering	M	Prof. Zhou Renjie	N
BMEG3210	ESTR3212	Biofluids	M	Prof. Jonathan Choi	N
BMEG3330	ESTR3602	Neuroengineering	M	Prof. Tong Kai Yu	N
BMEG4010	ESTR4601	Global Medical Device Regulatory Affairs	M	Prof. Tong Kai Yu	N
BMEG4450	ESTR4202	Bionanotechnology	M	- Prof. Ho Ho Pui - Prof. Ho Yi Ping	N
CSCI2100A	ESTR2102	Data Structures	M	Prof. King Kuo Chin Irwin	N
CSCI3108	ESTR3106	Principles of Programming Languages	M	Prof. Lee Ho Man	N
CSCI4430	ESTR4120	Data Communication and Computer Networks	M	Prof. Lee Pak Ching	N
ELEG3201	ESTR3200	Microelectronic Devices and Circuits	M	Prof. Pun Kong Pang	Y
ELEG3204	ESTR3202	Wireless Technology & Systems	M	Prof. Cheng Kwok Keung	Y
IERG2051B	ESTR2302	Signals and Systems	M	Prof. NAIR Chandra	N
IERG3010	ESTR3300	Digital Communications	M	Prof. Lok Tat Ming	Y
IERG4090	ESTR4302	Networking Protocols and Systems	M	Prof. Chiu Dah Ming	Y
IERG4130	ESTR4306	Introduction to Cyber Security	M	Prof. Zhang Kehuan	Y
IERG4330	ESTR4316	Programming Big Data Systems	M	Prof. Lau Wing Cheong	Y

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MAEG2030	ESTR2402	Thermodynamics	M	Prof. Xu Dongyan	N
MAEG3020	ESTR3404	Manufacturing Technology	M	Dr. Li Yiyang	N
MAEG4020	ESTR4410	Finite Element Modelling and Analysis	M	Prof. Charlie Wang	N
MAG4080	ESTR4420	Introduction to Combustion	M	Prof. Ren Wei	N
EEEN4050	ESTR4422	Energy Storage Devices and Systems	M	Prof. Lu Yi Chun	N