

ESTR Courses Offered in 2016-17 (updated on 23 Jan 2017)

| 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 | Y |
| ENGG2420B | ESTR2000A | Complex Analysis and Differential Equations for Engineers | M | Prof. Mayank Bakshi | Y |
| ENGG2420C | ESTR2000B | Complex Analysis and Differential Equations for Engineers | M | Prof. Pascal Vontobel | Y |
| ENGG2440A | ESTR2004 | Discrete Mathematics for Engineers | M | Prof. Andrej Bogdanov | N |
| BMEG2210 | ESTR2204 | Orthopaedic Biomechanics and Musculoskeletal Injury | M | Prof. Mak Fuk Tat | N |
| BMEG4330 | ESTR4201 | Sound and Light Waves in Medicine | M | Prof. Emma MachPherson | Y |
| CENG2400 | ESTR2100 | Embedded System Design | M | Prof. Wong Kin Hong | N |
| CSCI3230 | ESTR3108 | Fundamentals of Artificial Intelligence | M | Prof. Leung Kwong Sak | N |
| ELEG4203 | ESTR4206 | Radio Frequency Electronics | M | Prof. Cheng Kwok Keung Michael | Y |
| ENGG2310 | ESTR2300 | Principles of Communication Systems | M | Prof. Ma Wing Kin | Y |
| ENGG4030 | ESTR4300 | Web-scale Information Analytics | M | Prof. Lau Wing Cheong | N |
| IERG3300 | ESTR3304 | Introduction to Stochastic Processess | M | Prof. Chandra Nair | Y |
| IERG4020 | ESTR4318 | Telecommunication Switching and Network Systems | M | Prof. Liew Soung Chang | Y |
| IERG4080 | ESTR4312 | Building Scalable Internet-based Services | M | Dr. Au Yeung Ching Man | Y |
| IERG4130 | ESTR4306 | Introduction to Cyber Security | M | Prof. Chow Sze Ming | Y |
| MAEG3060 | ESTR3408 | Introduction to Robotics | M | Prof. Lau Tat Ming | Y |
| MAEG4020 | ESTR4410 | Finite Element Modelling and Analysis | M | Prof. Guo Ping | Y |
| SEEM3440 | ESTR3500 | Operations Research II | M | Dr. Ng Chi Kong | N |
| SEEM3460 | ESTR3504 | Computer Processing Systems Concepts | M | Prof. Lam Wai | N |
| SEEM3590 | ESTR3509 | Investment Science | M | Prof. He Xuedong | Y |
| 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 |
| ENGG1310B | ESTR1003 | Engineering Physics: Electromagnetics, Optics and Modern Physics | R | Professor ZHAO Ni Professor Yuan Haidong Professor Shu Ching Tat | N |
| ENGG1410B | ESTR1004 | Linear Algebra and Vector Calculus for Engineers | R | Prof. Sidharth Jaggi | N |
| ENGG2430B | ESTR2002 | Probability and Statistics for Engineers | M | Prof. Chen Minghua | Y |
| ENGG2450C | ESTR2005 | Probability and Statistics for Engineers | M | Dr. Ng Chi Kong | N |
| CENG3430 | ESTR3100 | Rapid Prototyping of Digital Systems | M | Prof. Wong Kin Hong | N |
| CSCI3180 | ESTR3106 | Principles of Programming Languages | M | Prof. Lee Ho Man | N |
| BMEG3210 | ESTR3212 | Biofluids | M | Prof. Choi Chung Hang Jonathan | N |
| BMEG4410 | ESTR4203 | BioMEMS | M | Prof. Ho Yi Ping | N |
| BMEG4450 | ESTR4202 | Bionanotechnology | M | Prof. Ho Ho Pui | Y |
| ELEG3201 | ESTR3200 | Circuits and Devices II | M | Prof. Pun Kong Pang | N |
| ELEG3204 | ESTR3202 | Wireless Technology and Systems | M | Prof. Cheng Kwok Keung Michael | Y |
| ELEG4501 | ESTR4212 | Digital Signal Processing and Applications | M | Prof. Lee Tan | Y |
| IERG2051B | ESTR2302 | Signals and Systems | M | Prof. Chandra Nair | Y |
| IERG3010 | ESTR3300 | Digital Communications | M | Prof. Lok Tat Ming | Y |
| IERG3320 | ESTR3306 | Social Media and Human Information Interaction | M | Prof. Chan Yuen Yan Rosanna | Y |
| IERG4100 | ESTR4304 | Wireless Communication Systems | M | Prof. Zhang Yingjun | Y |
| IERG4330 | ESTR4316 | Programming Big Data Systems | M | Prof. Lau Wing Cheong | N |
| MAEG3020 | ESTR3404 | Manufacturing Technology | M | Prof. Du Ruxu | N |
| MAEG4080 | ESTR4420 | Introduction to Combustion | M | Prof. Ren Wei | N |
| SEEM3570 | ESTR3508 | Stochastic Models | M | Prof. Ma Shiqian | N |
| SEEM4720 | ESTR4506 | Computational Finance | M | Prof. Chen Nan | Y |