

English Courses of Engineering College for 2020 Spring Semester

No.	Department	Course Title	Required / Elective Subject	Credit	Instructor	Remark
1	Electrical Engineering	線性代數 LINEAR ALGEBRA	Required Subject	3	Chung-Yao Kao	
2	Electrical Engineering	線性代數 LINEAR ALGEBRA	Required Subject	3	Chia-Po Wei	
3	Electrical Engineering (Master's Program)	類比濾波器理論與設計 ANALOG FILTER THEORY AND DESIGN	Elective Subject	3	Shiang-Hwua Yu	
4	Electrical Engineering (Master's Program)	電力系統規劃 POWER SYSTEM PLANNING	Elective Subject	3	M.A.Mohammed Manaz	Foreign Faculty
5	Electrical Engineering (Master's Program)	電力潮流分析 LOAD FLOW ANALYSIS	Elective Subject	3	M.A.Mohammed Manaz	Foreign Faculty
6	Electrical Engineering (Master's Program)	電磁理論 ELECTROMAGNETIC THEORY	Elective Subject	3	Chih-Wen Kuo	
7	Electrical Engineering (Master's Program)	電力品質 POWER QUALITY	Elective Subject	3	Chao-Shun Chen	
8	International Master's Program in Electric Power Engineering (Master's Program)	電力系統規劃 POWER SYSTEM PLANNING	Elective Subject	3	M.A.Mohammed Manaz	Foreign Faculty
9	International Master's Program in Electric Power Engineering (Master's Program)	電力品質 POWER QUALITY	Elective Subject	3	Chao-Shun Chen	
10	International Master's Program in Electric Power Engineering (Master's Program)	電力潮流分析 LOAD FLOW ANALYSIS	Elective Subject	3	M.A.Mohammed Manaz	Foreign Faculty

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11	International Master's Program in Electric Power Engineering (Master's Program)	最佳控制 OPTIMAL CONTROL	Elective Subject	3	Kin-Cheong Sou	
12	Mechanical and Electro-Mechanical Engineering (Master's Program)	複合材料力學 MECHANICS OF COMPOSITE MATERIALS	Elective Subject	3	Ming-Hwa Jen	
13	Mechanical and Electro-Mechanical Engineering (Master's Program)	破壞力學 FRACTURE MECHANICS	Elective Subject	3	Ming-Hwa Jen	
14	Mechanical and Electro-Mechanical Engineering (Master's Program)	微系統封裝與可靠度分析 MICROSYSTEMS PACKAGING AND RELIABILITY ANALYSIS	Elective Subject	3	Mei-Ling Wu	
15	Mechanical and Electro-Mechanical Engineering (Master's Program)	數位訊號處理 DIGITAL SIGNAL PROCESSING	Elective Subject	3	Chen-Wen Yen	
16	Mechanical and Electro-Mechanical Engineering (Master's Program)	模糊邏輯與控制 FUZZY LOGIC AND CONTROL	Elective Subject	3	Chi-Cheng Cheng	
17	Computer Science and Engineering	Python程式設計 PROGRAMMING IN PYTHON	Elective Subject	3	Steve W. Haga	Foreign Faculty
18	Computer Science and Engineering	UNIX系統程式 UNIX SYSTEM PROGRAMMING	Required Subject	3	Steve W. Haga	Foreign Faculty

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19	Computer Science and Engineering	軟體工程 SOFTWARE ENGINEERING	Elective Subject	3	Arijit Karati	Foreign Faculty
20	Computer Science and Engineering	資訊安全 INFORMATION SECURITY	Elective Subject	3	Arijit Karati	Foreign Faculty
21	Computer Science and Engineering (Master's Program)	應用英文科技工程論文寫作 ENGLISH TECHNICAL WRITING FOR SCIENCE AND ENGINEERING JOURNALS, IN PRACTICE	Elective Subject	3	Steve W. Haga	Foreign Faculty
22	Computer Science and Engineering (Master's Program)	UNIX系統程式 UNIX SYSTEM PROGRAMMING	Elective Subject	3	Steve W. Haga	Foreign Faculty
23	Computer Science and Engineering (Master's Program)	無線隨意與感測網路技術 WIRELESS AD HOC AND SENSOR NETWORK TECHNOLOGY	Elective Subject	3	You-Chiun Wang	
24	Computer Science and Engineering (Master Program in Information Security)	安全密碼協定 SECURE CRYPTOGRAPHIC PROTOCOLS	Required Subject	3	Arijit Karati	Foreign Faculty
25	Materials and Optoelectronic Science	高分子物理 POLYMER PHYSICS	Required Subject	3	Chen-Tsyr Lo	
26	Materials and Optoelectronic Science	高分子分析 POLYMER ANALYSIS	Elective Subject	3	Ahmed Fikry Mohamed EL-Mahdy Ahmed	Foreign Faculty
27	Materials and Optoelectronic Science	材料的光電特性 ELECTRICAL AND OPTICAL PROPERTIES OF MATERIALS	Elective Subject	3	Ming-Chi Chou	

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28	Materials and Optoelectronic Science	科學模擬計算導論 INTRODUCTION TO SCIENTIFIC COMPUTING WITH PYTHON	Elective Subject	3	Johann Lüder	Foreign Faculty
29	Materials and Optoelectronic Science (Master's Program)	高分子物性 PHYSICAL PROPERTIES OF POLYMERS	Elective Subject	3	Yeo-Wan Chiang	
30	Materials and Optoelectronic Science (Master's Program)	小角度X光與中子散射在軟物質材料之應用 APPLICATIONS OF SMALL ANGLE X-RAY AND NEUTRON SCATTERING IN SOFT MATERIALS	Elective Subject	3	Yeo-Wan Chiang	
31	Materials and Optoelectronic Science (Master's Program)	光電高分子 POLYMERS IN OPTOELECTRONIC APPLICATIONS	Elective Subject	3	Ahmed Fikry Mohamed EL-Mahdy Ahmed	Foreign Faculty
32	Materials and Optoelectronic Science (Master's Program)	物理光學 PHYSICAL OPTICS	Elective Subject	3	Ming-Chi Chou	
33	Materials and Optoelectronic Science (Master's Program)	傅氏光學 FOURIER OPTICS	Elective Subject	3	Wei-Hung Su	
34	Materials and Optoelectronic Science (Master's Program)	材料之模擬與計算 MATERIALS SIMULATION AND COMPUTATION	Elective Subject	3	Shi-Hsin Lin	

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35	Materials and Optoelectronic Science (Master's Program)	低維度半導體科學 LOW-DIMENSIONAL SEMICONDUCTOR SCIENCE	Elective Subject	3	D. R. Hang	
36	Materials and Optoelectronic Science (Master's Program)	進階材料模擬設計 ADVANCED AB INITIO MATERIALS DESIGN	Elective Subject	3	Johann Lüder	Foreign Faculty
37	Photonics	電子學(二) ELECTRONICS(II)	Required Subject	3	Hyeonseok Lee	Foreign Faculty
38	Photonics	電子學實驗(二) ELECTRONICS LABORATORY(II)	Required Subject	3	Hyeonseok Lee	Foreign Faculty
39	Photonics	量子力學導論 INTRODUCTION TO QUANTUM MECHANICS	Required Subject	3	Hung-Wen Chang	
40	Inst. of Environmental Engineering (Master's Program)	異味及揮發性有機物控制技術 TECHNOLOGIES FOR THE CONTROL OF ODORS AND VOLATILE ORGANIC COMPOUNDS	Elective Subject	3	Ken-Lin Chang	
41	Inst. of Environmental Engineering (Master's Program)	高等水化學 ADVANCED WATER CHEMISTRY	Elective Subject	3	Yu-Jen Shih	
42	Inst. of Environmental Engineering (Master's Program)	儀器分析 PRINCIPLE OF INSTRUMENT ANALYSIS	Elective Subject	3	Po-Jung Huang	
43	Inst. of Environmental Engineering (Master's Program)	噪音工程學 NOISE ENGINEERING	Elective Subject	3	TBD	

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44	Inst. of Communications Engineering (Master's Program)	隨機過程 RANDOM PROCESSES	Elective Subject	3	Tsang-Yi Wang	
45	Inst. of Communications Engineering (Master's Program)	數位通訊 DIGITAL COMMUNICATIONS	Elective Subject	3	Keshav Singh	Foreign Faculty
46	Inst. of Communications Engineering (Master's Program)	合作式通訊與網路 COOPERATIVE COMMUNICATIONS AND NETWORKS	Elective Subject	3	Wan-Jen Huang	
47	Inst. of Communications Engineering (Master's Program)	移動裝置之三維積體電路的整合技術與設計 3D IC INTEGRATION TECHNOLOGY AND DESIGN FOR MOBILE DEVICES	Elective Subject	3	Lih-Tyng Hwang	
48	Inst. of Communications Engineering (Master's Program)	合作式通訊之多中繼點系統設計專題 INDEPENDENT STUDIES IN DESIGN OF MULTIPLE-RELAY COOPERATIVE COMMUNICATION	Elective Subject	3	Keshav Singh	Foreign Faculty
49	International Master's Program in Telecommunication Engineering	數位通訊 DIGITAL COMMUNICATIONS	Elective Subject	3	Keshav Singh	Foreign Faculty
50	International Master's Program in Telecommunication Engineering (Master's Program)	合作式通訊與網路 COOPERATIVE COMMUNICATIONS AND NETWORKING	Elective Subject	3	Wan-Jen Huang	
51	International Master's Program in Telecommunication Engineering	電磁理論 ELECTROMAGNETIC THEORY	Elective Subject	3	Chih-Wen Kuo	

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52	International Master's Program in Telecommunication Engineering (Master's Program)	移動裝置之三維積體電路的整合技術與設計 3D IC INTEGRATION TECHNOLOGY AND DESIGN FOR MOBILE DEVICES	Elective Subject	3	Lih-Tyng Hwang	
53	International Master's Program in Telecommunication Engineering	隨機過程 RANDOM PROCESSES	Elective Subject	3	Tsang-Yi Wang	