

No	科目	節次	方式	參考書籍
1	厚膜工程	A	close	Thick Film Hybrid Microcircuit Thchnology D.W.Hamer
2	通信網路	A	close	1. Andrew S. Tanenbaum Computer Networks, 5th ed. 2. L. Peterson & Bruce S. Davie Computer Networks,4th & 5th ed.
3	光電元件設計與模擬	A	open	上課講義
4	電子導航	A	open	1. lecture note2. Misra and Enge, Global Positioning System, Ganga-Jamura Press, 2006.3. 莊智清, 衛星導航, 2012
5	網路效能分析與模擬	A	close	1.上課講義與教材 2."Simulation modeling and analysis" Averill M. Law, W. David Kelton
6	網際網路多媒體應用	A	close	Internet & World Wilde Web How to program 5/e Paul J. Deitel, Harvey M Deitel, Abbey Deitel
7	小波訊號處理	A	open	上課講義
8	能量轉換	A	open	上課講義
9	視覺伺服系統	A	open	上課講義
10	田口式品質工程	A	open	品質設計工程指引; 作者:羅錦興
11	半導體元件物理	B	open	S. M. Sze and K. K. Ng, Physics of Semiconductor Devices (3rd edition), Wiley, 2007
12	高等模糊控制	B	open	1.Lecture Note 2.Fuzzy set theory and its applications II, by H.J.Zimmermann 3. Fuzzy sets,Uncertainty and information, byG.J.Klir and T.A. Folger 4.Some related papers
13	配電系統自動化	B	open	1. Electric Power Distribution System Engineering, by Turan Gonen; McGraw-Hill Book Company, New York. 1986. 2. Electrical Power Systems, Wiley Eastern Limited, by C. L. Wadhwa, New Delhi. 1990
14	作業系統	B	close	1.Operating System Concepts Silberschatz Galvin Tanenbaum
15	數位訊號處理	B	close	"Discrete-time Signal Processing" by Oppenhain and Schafer
16	電子儀表專論	B	close	Design with Operational Amplifiers and Analog Integrated Circuits. 3rd edition. Author: Sergio Franco
17	負微分電阻交換元件	B	open	1.Complete Guide to Semiconductor Devices; Kwok K. Ng 、0.GAaS High-Speed Devices; C.Y.Chang, F.Kai
18	生物電子系統	B	open	上課專題報告及補充教材
19	通訊理論	B	open	” Principles of Communication Engineering” by Wozencraft and Jacobs
20	超大型積體電路測試理論	C	open	1. Wang, Wu and Weng, “ VLSI Test Principles and Architectures,” Morgan Kaufmann

				Publishers of Elsevier, 2006
21	超大型積體電路設計	C	close	Neil Weste and Kamran Eshraghian, "Principles of CMOS VLSI open, Design, A System Perspective,"3rd edition, Addison-Wesley,
22	高電壓工程特論	C	open	1. " High Voltage Engineering ", by M. S. Naidu and V. Kamaraju; McGraw-Hill Book Co. 2002. 2. " HighVoltage Measurement, Testing and Design", by T.J. Gallagher and A. J. Pearmain; Queen Mary College, University of London
23	視訊工程	C	open	1. Basic Television "Principle and Servicing" Grob 2. "Digital Video Processing", A. MURAT Tekalp 3. "Digital Coding of Waveforms", Jayant Noll
24	高速元件	C	open	1.high speed device; S. M. Sze 2.GAaS High-Speed Devices;C.Y.Chang, F.Kai
25	非破壞性檢測	C	open	上課專題報告及補充教材
26	資料壓縮	C	open	1.資料壓縮 by 戴顯權 2007 年 2. Introduction to Data Compression, K. Sayovd. 2000.
27	資料結構與演算法	C	open	1.Lee,R.C.T.,Chang,R.C.and Tseng,S.S.,Introduction to the Design and Analysis of Algorithms.
28	計算機網路	C	open	1.Computer Networks, PETERSON DAVIE2.Computer Network,Andrew S. Tanenbaum3.Internetworking with TCP/IP,Comer
29	III-V 族化合物金氧半場效應電晶體	D	open	上課講義
30	奈米材料與元件物理	D	open	上課講義
31	鐵電材料與元件	D	open	上課講義
32	隨機程序	D	有條件 open	**允許攜帶一張 A4 參考資料正反面紙張" 1.Herry Stark and John W. Woods, "Probability and RandomProcesses with Applications to Signal Processing" 2. "Probability, Statistics, and Random Processes for Engineers" by HerryStark and John W. Woods
33	強健控制	D	open	1.Essentials of Robust Control, Zhou 2.Lecture Note, 3.Mono and Multivariable Control and Estimation, Ostertag
34	電力品質	D	open	上課講義
35	微波工程	D	close	1FOUNDATIONS for Microwave Engineering. 2ed by R.E. Collin. 2.Microwave Engineering by Peter A. Rizzi
36	圖形理論	D	close	1. Introduction to Graph Theory 2nd Edition. Douglas B. West
37	聲電光元件	E	open	上課講義

38	ULSI 元件物理	E	open	1.Modern SemionDevices for Integrated Circuits, C. C. Hu, Pearson, 2010. 2. Physics of Semiconductor Devices, 3rd Ed.,S.M.Sze and K.K.Ng, wiley, 2007.
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