國立嘉義大學資訊工程學系博士班資格考試參考書目

科 目 名 稱	參考書目	
	作者、書名、出版社、版本以及出版年	範 圍
演算法 Algorithm	1. Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest and Clifford Stein, *Introduction to Algorithms*, MIT Press, 2nd Edition, 2001 (ISBN: 9780262032933) 2. R. C. T. Lee, , S. S. Tseng, R. C. Chang, Y. T. Tsai, *Introduction to the Design and Analysis of Algorithms(A Strategic Approach)*, McGraw Hill, 2005 (ISBN: 9780071243469)	1. All 2. Chapter 1-8
編譯器 Compiler	1. Alfred V. Aho, Ravi Sethi, and Jeffrey D. Ullman, *Compilers: Principles, Techniques, and Tools*, Addison-Wesley, 1986. (ISBN: 0-201-10088-6) 2. Dick Grune, Henri E. Bal, Ceriel J. H. Jacobs, and Koen G. Langendoen, *Modern Compiler Design*, John Wiley & Sons, LTD, 2000. (ISBN: 0-471-97697-0)	1. All 2. Chapter 1-6
作業系統 Operating Systems	Silberschatz, Galvin, Gagne, *Operating System Principles*, 7th ed., 2006, John Wiley.	Chapter 1-16
計算理論 The Theory of Computation	1. J. Martin, *Introduction to languages and the theory of computation* (3rd Edition), McGraw-Hill 2005 (ISBN:0071240187) 2. T. A. Sudkamp, *Languages and Machines,* Addison Wesley (ISBN: 0201821362)	1 All 2 Chapter 1-15
計算機結構 Computer Architecture	1. John L. Hennessy, David A. Patterson, *Computer Architecture: A Quantitative Approach*, Morgan Kaufmann, 4th ed. , 2007 (ISBN 0123704901, 9780123704900) 2. David A. Patterson and John L. Hennessy, *Computer Organization and Design: The Hardware/Software Interface*, Elsevier, 3rd edition, (ISBN: 981-2592-17-2)	1. Chapter 1-6 2. Chapter 1-9
計算機網路 Computer Networks	James F. Kurose , and Keith W. Ross, *Computer Networking: A Top-Down Approach Featuring the Internet*, Pearson Education, Fourth Edition , 2007 (ISBN: 9780321227355)	All
資訊理論 Information Theory	David J.C. Mackay, *Information Theory, Inference, and Learning Algorithms*, 2003. (ISBN: 0 521 64298 1)	Chapter 1、2、4、5、8、9、12、22

說明：1. 本參考書目僅提供選考學生與出題老師參考，命題範圍以此參考書目為原則，但不局限於此範圍。