

**This document is a draft on which you are invited to comment if you wish. Figures and illustrations have been omitted for technical and copyright reasons. The layout and appearance of the published book will be different, and some of the content may be revised for the final version.**

**anthony@elenmar.com**

**(September 2006)**

<i>CH</i>	<i>Topics</i>	<i>Comments</i>	<i>Objectives</i>
Intro	Introduction		N/A
1	Motherboards Power supply units		1.1 1.1
2	CPU chips		1.1
3	Storage – disks etc. RAM		1.1 1.1
4	Video I/O devices		1.1 1.1
5	Adapter cards Ports and cables Cooling systems		1.1 1.1 1.1
6	Install and upgrade components Drive preparation and imaging		1.2 1.2
7	Install display devices Multimedia devices		1.2 1.2
8	Troubleshooting - Hardware Preventive maintenance – Hardware		1.3 1.4
9	Operating System fundamentals		3.1
10	Install, configure optimize Operating Systems		
11	Tools and diagnostics – Operating Systems		3.3 3.4

<i>CH</i>	<i>Topics</i>	<i>Comments</i>	<i>Objectives</i>
	Preventive maintenance – Operating Systems		
12	Laptops and portable systems		2.1 2.2 2.3 2.4
13	Printers and scanners		4.1 4.2 4.3
14	Network fundamentals Network cabling		5.1 5.1
15	Network connectivity		5.1
16	Install, optimize, upgrade networks Diagnostics etc.		5.2 5.3
17	Security fundamentals		6.1
18	Security – install, configure, upgrade		6.2
19	Security – diagnostics & preventive maintenance		6.3 6.4
20	Safety & environmental issues		7.1 7.2 7.3
21	Communication and professionalism		8.1 8.2