

<<信息技术与应用导论>>

图书基本信息

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前言

20世纪末，以计算机和通信技术为代表的信息科学和技术，对世界的经济、军事、科技、教育、文化、卫生等方面的发展产生了深刻的影响，由此而兴起的信息产业已经成为世界经济发展的支柱。

进入21世纪，各国为了加快本国的信息产业，加大了资金投入和政策扶持。

为了加快我国信息产业的进程，在我国《国民经济和社会发展第十个五年计划纲要》中，明确提出“以信息化带动工业化，发挥后发优势，实现社会生产力的跨越式发展。

”信息产业的国际竞争将日趋激烈。

在我国加入WTO后，我国信息产业将面临国外竞争对手的严峻挑战。

竞争成败最终将取决于信息科学和技术人才的多少与优劣。

在20世纪末，我国信息产业虽然得到迅猛发展，但与国际先进国家相比，差距还很大。

为了赶上并超过国际先进水平，我国必须加快信息技术人才的培养，特别要培养一大批具有国际竞争能力的高水平的信息技术人才，促进我国信息产业和国家信息化水平的全面提高。

为此，教育部高等教育司根据教育部吕福源副部长的意见，在长期重视推动高等学校信息科学和技术的教学的基础上，将实施超前发展战略，采取一些重要举措，加快推动高等学校的信息科学和技术等相关专业的教学工作。

在大力宣传、推荐我国专家编著的面向21世纪和“九五”重点的信息科学和技术课程教材的基础上，在有条件的高等学校的某些信息科学和技术课程中推动使用国外优秀教材的影印版进行英语或双语教学，以缩短我国在计算机教学上与国际先进水平的差距，同时也有助于强化我国大学生的英语水平。

为了达到上述目的，在分析一些出版社已影印相关教材，一些学校已试用影印教材进行教学的基础上，教育部高等教育司组织并委托高等教育出版社开展国外优秀信息科学和技术优秀教材及其教学辅助材料的引进研究与影印出版的试点工作。

为推动用影印版教材进行教学创造条件。

<<信息技术与应用导论>>

内容概要

《信息技术与应用导论（第7版影印版）》综合介绍信息技术的知识、技能以及与信息技术相关的人文和社会方面的内容。

作为各专业的信息技术导论性课程，《信息技术与应用导论（第7版影印版）》既介绍了计算机软硬件系统的基础知识，同时也介绍了如何使用计算机处理日常报表、报告、数据库、通信等。

《信息技术与应用导论（第7版影印版）》尽可能地将最有用的信息综合起来提供给读者，因此，《信息技术与应用导论（第7版影印版）》具有如下特点：覆盖面广。

几乎包含了要了解IT技术所必须掌握的所有核心概念和内容，详而不繁。

实用性强。

所讲述的软件都是最新的，涉及的内容包罗万象。

复习巩固提高。

每章都有关键问题表，章末都有“是什么、怎么做、为什么重要”式的小结，每章都有自我测试题和思考题。

丰富的补充材料。

有教师参考资料（试题库、教师手册、PowerPoint幻灯片）、视频片段、互动式配套光盘、自助学习系统，提供两种自我测试软件。

内容：1. 概述 2. 硬件 3. I/O硬件 4. 存储器 5. 系统软件 6. 应用软件 7. 通信技术 8. 通信技术的应用 9. 信息系统的分析与设计 10. 软件编程与语言 11. 信息管理 12. 文件与数据库 13. 高级计算 14. 种族、隐私、安全与社会问题。

<<信息技术与应用导论>>

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章节摘录

插图：Function keys: Function keys are labeled with an F and a number, such as F1 and F2. They are used for issuing commands, not typing in characters. Desktop microcomputers usually have 12 function keys, portables often only 10, defined by the software you are using. For example, in one program, pressing F2 may print your document; in a different program, pressing F2 may save your work to disk. The documentation manual that comes with the software tells you how to use the function keys. Also, some companies make small templates that fit around or above the function keys and list the commands that the function keys correspond to. Many keyboards also include built-in enhancements such as microphones, speakers, and volume control. As computers have become more widespread, so has the incidence of various hand and wrist injuries. Accordingly, keyboard manufacturers have been giving a lot of attention to ergonomics. Ergonomics is the study of the physical relationships between people and their work environment; that is, it is the science of designing equipment for a safe and comfortable environment. Ergonomics deals with designing efficient and safe chairs, desks, and lights. It also recommends safe viewing distances from monitors. Keyboard manufacturers, as a result of ergonomic studies, have developed ergonomically sound keyboards to help prevent injuries and for use by physically challenged individuals. (See Figure 3.3.)

编辑推荐

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