The Xinxing School

home Course Details Introduce

multimedia technology

The advanced tutoring course of multimedia technology is divided into three modules. The basic theoretical knowledge module describes the principles and key technologies of multimedia computer, that is, video and audio information acquisition and processing, multimedia data compression coding and multimedia computer hardware and software system structure; The operation technology module describes the digital audio editing, drawing graphics, animation and video production, the use of multimedia writing tools and multimedia programming technology; The system development and application knowledge module describes the development and application of CAI courseware and electronic publications, video conference system, multimedia database and interactive TV system.

Introduction to software engineering

Software engineering is divided into four parts: the first part is an overview of software engineering, the second part introduces the traditional software development methods, the third part describes the object-oriented software development methods, and the fourth part introduces software maintenance and software management.

Principles of computer network

Through the study of this course, students can have a comprehensive understanding of computer network and data communication; Master the basic knowledge and theory of computer network, master the composition and architecture of computer network, and master TCP / IP model and common network protocols; Focus on mastering LAN technology and network interconnection technology; And train students to have simple networking and network management ability, so as to lay a foundation for the application and design of computer network in the future.

Principle of database system

Database technology and system have become the core technology and important foundation of information infrastructure. As the most effective means of data management, database technology has greatly promoted the development of computer application. This course systematically and comprehensively describes the basic theory, basic technology and basic methods of database system

Operating system principle

This paper mainly introduces the basic concept of operating system, the development history of operating system, the functions and main characteristics of operating system and common operating systems. The concept of concurrent execution of program and process, process state and its transformation, process synchronization and mutual exclusion, process communication and scheduling, the concept of process deadlock and its solution, the concept of thread and its implementation, etc. Introduce the research object and purpose of storage management, and clarify the basic functions and related basic concepts of storage management; Then, several common storage management schemes are introduced from the perspectives of real storage and virtual storage.

Computer composition principle

The basic requirements of computer composition principle are to enable students to master the principles, parameters and application methods of logic devices and components commonly used in computers, understand the basic composition principle of a simple and complete single computer, learn the introductory knowledge in computer design, and master the skills of maintaining and using computers.

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