IT专业英语

Professional English for IT

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Objective

通过本课程的学习，能够提高学生阅读和理解专业英文资料的能力，增强学生科技英语的应用水平及对外交流能力，具备适应信息化社会要求的软件专业英语综合应用技能，为进一步学习专业课程，查阅专业英语文献奠定基础。

Schedule

Contents	Week
Unit One: Data Structures	2-3
Unit Two: Programming Language	3-4
Unit Three: Operating System	5-6
Unit Four: Database	6-7
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Unit Five: Software Engineering	9-10
Unit Six: Computer Network	11
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Final Exam	15/16
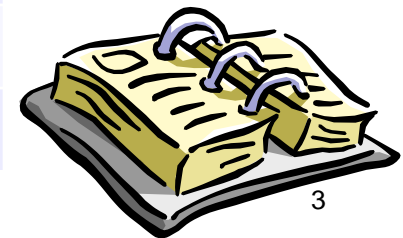
Textbook

《计算机英语》(第四版)

姜同强 主编

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MOOC

➢ course.xmu.edu.cn (Course# 130140020094)

IT专业英语

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教师信息

教师姓名：张仲楠

所属院系：信息学院

个人简介：张仲楠，博士，教授，博士生导师。2008年8月毕业于美国德克萨斯大学达拉斯分校计算机科学专业，获博士学位。研究方向是大数据分析，人工智能，深度学习，数据挖掘，生物信息学。近年来，承担多项教学科...

课程信息

课程介绍

通过本课程的学习，能够提高学生阅读和理解专业英文资料的能力，增强学生科技英语的应用水平及对外交流能力，为进一步学习专业课程，查阅专业英语文献奠定基础。课程内容包括三部分：专业基础方面的英语文献；专业新技术的发展和应用方面的英语资料；科技英语方面的有关知识。本课程采取英文课堂讲授。让学生在全英文环境中了解计算机软件相关领域，理解并掌握计算机软件的相关基本知识，培养学生针对软件开发各个环节的英语听、说、读、写、译等交流与沟通能力，具备适应信息化社会要求的软件专业英语综合应用技能，并进一步发展为有自学能力和通过英语获取软件专业新知识、新技术的能力。

课程通知

>>更多

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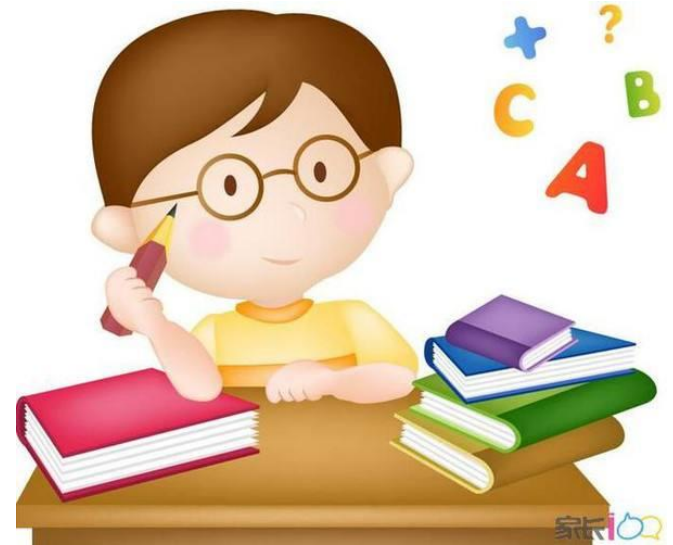
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QQ Group

群名称:21级IT专业英语
群　号:814818900

Key points

1. Words and phrases
2. Abbreviations
3. Reading comprehension
4. Translation

Key points

1. Words and phrases

E-to-C				C-to-E		
array	**n.**	数组		转发	**v.**	**forward**
stack	**n.**	栈		模式	**n.**	**pattern**
compile	**v.**	编译		离散的	**adj.**	**discrete**
parallel	**adj.**	并行的		带宽	**n.**	**bandwidth**
linked list		链表		二叉树		**binary tree**

Key points
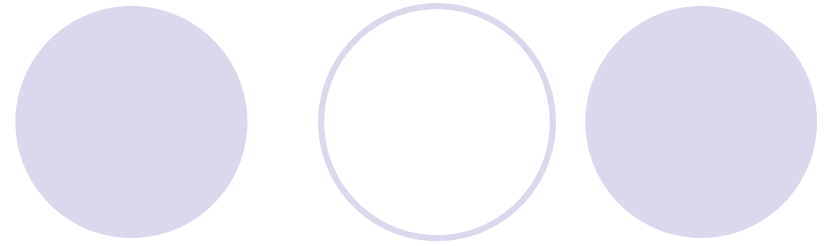
1. Words and phrases

The (　　) controls a pointer on the screen. When you move it, the pointer moves too.

A. menu　　　　　　　B. icon　　　　　　　C. mouse　　　　　　D. click

C++ is used with proper (　　) design techniques.

A. object oriented　B. object based　　　C. fact to object　　D. face to target

The maximum number that can be expressed by 8 bits is (　　).

A. 64　　　　　　　　B. 128　　　　　　　C. 255　　　　　　　D. 256

Key points

1. Words and phrases

(1) _____, which stands as the heart, or, you may just as well say, the brain of the computer, carrying out instructions provided either by the user or the system itself.

(2) _____, which enables a computer to store, at least temporarily, data and program.

(3) _____, which covers such equipment as the display screen, the printer, and various other devices through which you can see what the computer has accomplished.

A. memory   B. output device   C. compiler   D. CPU

Key points

2. Abbreviations

Abbr.	Full Version		Chinese
OS	operating system		操作系统
LAN	local area network		局域网
XML	extensible markup language		可扩展标记语言

3. Reading comprehension

Artificial Intelligence __A__ a relatively young branch of science, new enough that we can still trace the development of the field from its inception in 1956 to the present. About six years ago, when we __B__ planning the Handbook of Artificial Intelligence, we thought it would __C__ possible to present AI comprehensively in three volumes. In retrospect, that seems to have __D__ a good guess, although, inevitably, the outline __E__ changed many times to reflect changes in the emphasis and methods of AI.

供选择的答案：

A～E： (1) be   (2) am   (3) are   (4) is

        (5) was   (6) were   (7) being   (8) been

Key points

3. Reading comprehension

There are four main types of viruses: shell, intrusive, operating system and source code.

Shell viruses wrap themselves around a host program and do not modify the original program. Shell programs are easy to write, which is why about half of all viruses are of this type. In addition, shell viruses are easy for programs like Data Physician to remove.

Intrusive viruses invade an existing program and actually insert a portion of themselves into the host program. Intrusive viruses are hard to write and very difficult to remove without damaging the host file.

Shell and intrusive viruses most commonly attack executable program files—those with a .com or .exe extension, although data files are also at some risk.

Questions:

1. Which viruses are the most common viruses? _____

    A. shell viruses   B. intrusive viruses

    C. operating system viruses   D. source code viruses

4. Translation

Software is the sequences of instructions in one or more programming languages that comprise a computer application to automate some business function. Engineering is the use of tools and techniques in problem solving. Putting the two words together, software engineering is the systematic application of tools and techniques in the development of computer-based application.

软件是用一种或多种程序设计语言写的指令序列，它们构成了使某个商业功能自动化的计算机应用程序。工程是在问题解决过程中使用工具和技术。将这两个词合在一起，软件工程就是在开发基于计算机的应用程序中系统地应用工具和技术。

Grading

1. Midterm Exam (40%)
2. Final Exam（50%）
3. Attendance & Participation（10%）

撸起袖子
加油干

Hints

1. 课前适当<u>预习</u>
2. 上课<u>积极参与</u>,并<u>做笔记</u>
3. 课后要花点时间<u>复习</u>一下
4. 习题<u>认真按时</u>完成

态度
【决定一切】

细节
【决定成败】

目标
【决定方向】

行动
【成就卓越】

好记性不如烂笔头

刘雨正书