附件2

**武汉大学全英文授课课程信息表（英文版）**

**Wuhan University Course Outline**

**School/Department: International School of Softeware**

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| --- | --- |
| **Course Name (Chinese)\*** | 计算机网络 |
| **Course Name (English)\*** | Computer networks |
| **Course Code\*** | 0800074 |
| **Availability\*** | Semester 4 |
| **Course Hours\*** | 54 |
| **Credits\*** | 3 |
| **Course Description\*** | “Computer networks” is a compulsory course for undergraduate students. It is the fundamental course of computer science. The course enables the students to understand the architecture, protocols and techniques of computer networks. |
| **Course Objectives/Content\*** | The objective the course requires students to master the layered architecture of computer networks, which includes physical layer, link layer, network layer, transport layer and application layer. For each layer, the students should understand some important protocols, such as TCP for transport layer and IP for network layer. Moreover, this course also develops students’ ability to analyze and solve the problem of computer networks. |
| **Teaching Methods** |  |
| **Assessment\*** | Final score=regular grades\*30%+final exam\*70% |
| **Textbook(s)** | Computer Networks（Fifth Edition），Andrew S.Tanenbaum and David J.Wetherall |
| **Reading** |  |
| **Prerequisites** | Discrete math, data structure and algorithm |
| **Lecturer(s)** | Lin Hai |

注：\*为必填。

**武汉大学全英文授课课程信息表（中文版）**

**学院:**

|  |  |
| --- | --- |
| **课程名称（中文）\*** | 计算机网络 |
| **课程名称（英文）\*** | Computer networks |
| **课程代码\*** | 0800074 |
| **授课学期\*** | 第四学期 |
| **学时\*** | 54 |
| **学分\*** | 3 |
| **课程简介\*** | 计算机网络的本科必修课，是计算机学科的基础课程。通过本课程的学习，学生掌握计算机网络的基本原理和技术方法，系统地学习网络架构、层结构以及重要的网络协议等内容。 |
| **课程目标、内容\*** | 通过本课的教学，应达到下列要求：掌握计算机网络的层结构，即物理层、链路层、网络层和传输层等。其中物理层需要重点掌握熟悉数字调制和多路复用；链路层重点掌握介质访问控制；网络层重点掌握路由；传输层重点掌握拥塞控制。学生还需要掌握主要的网络协议，如TCP协议、IP协议、CSMA协议、OSPF协议等。同时此课程培养学生的实际问题分析和解决能力。 |
| **教学方法** |  |
| **考核方式\*** | 总成绩 = 平时成绩（30%）+ 期终闭卷考试（70%） |
| **教材** | Computer Networks（Fifth Edition），机械工业出版社（英文原版），Andrew S.Tanenbaum and David J.Wetherall |
| **推荐阅读** | 计算机网络(第5版)，电子工业出版社，谢希仁，2008 |
| **先导课程** | 离散数学、数据结构和算法 |
| **授课教师** | 林海 |

注：\*为必填。