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 Software**

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| **Course Name (Chinese)\*** | 数据库系统 |
| **Course Name (English)\*** | Database System |
| **Course Code\*** | 0800025 |
| **Availability\*** | □√Semester 1 □Semester 2 |
| **Course Hours\*** | 72 |
| **Credits\*** | 4 |
| **Course Description\*** | This course trains students to build such systems, by teaching database concepts and then the practical work of database system design and implementation.  |
| **Course Objectives/Content\*** | Students will1. Become familiar with fundamental DBMS concepts and what a database system is
2. Learn to use SQL
3. Learn to design database systems
4. Learn to design and manage transactions
5. Gain exposure to future trends in databases
 |
| **Teaching Methods** | Lecture + Lab work |
| **Assessment\*** | Attendence + Exercise in the Class + Assignment + Mid-term Exam + Final Exam + Lab work |
| **Textbook(s)** | Thomas M. Connolly, et al. *Database Systems: A practical approach to Design, Implementation, and Management.* **4th Edition** ISBN: 0321210255 Addison-Wesley, 2004  |
| **Reading** |  |
| **Prerequisites** | Data Structures |
| **Lecturer(s)** | Dong Hongbin |

注：\*为必填。

**武汉大学全英文授课课程信息表（中文版）**

**学院:国际软件学院**

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| --- | --- |
| **课程名称（中文）\*** | 数据库系统 |
| **课程名称（英文）\*** | Database System |
| **课程代码\*** | 0800025 |
| **授课学期\*** | 第5学期 |
| **学时\*** | 72 |
| **学分\*** | 4 |
| **课程简介\*** | 通过课堂讲授和上机实践，使学生掌握数据库系统的基本原理、基本概念和基本方法；并能针对一个具体的应用环境，采用一个具体的数据库管理系统工具和SQL语言，设计实现一个功能比较齐全的数据库应用系统。  |
| **课程目标、内容\*** | 通过课程的学生，学生能够：1. 熟悉关系数据库系统和DBMS的概念和特点；
2. 掌握SQL编程；
3. 学会设计数据库的基本步骤和方法；
4. 了解事务的设计与管理；
5. 了解数据库技术的现状和趋势
 |
| **教学方法** | 课堂讲授+上机实践 |
| **考核方式\*** | 考勤+课堂练习+课后作业+期中考试+期末考试+上机实践 |
| **教材** | Thomas M. Connolly, et al. 数据库系统—设计、实现与管理*.* **4th Edition** ISBN: 0321210255 Addison-Wesley, 2004 |
| **推荐阅读** |  |
| **先导课程** | 数据结构 |
| **授课教师** | 董红斌 |

注：\*为必填。