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)\*** | XML及其应用 |
| **Course Name (English)\*** | XML and its Applications |
| **Course Code\*** | 0800555 |
| **Availability\*** | □Semester 1 □Semester 2 |
| **Course Hours\*** | 54 |
| **Credits\*** | 3 |
| **Course Description\*** | This course is one of the professional optional courses in Major of Software Engineering. It introduces the basic concepts and technology of XML, and the usage of XML in different area. During the courses, there will be arranged 3-4 experiments, which require the students to complete independently. The final score is divided to the experiments and the final project. |
| **Course Objectives/Content\*** | The students will have a complete knowledge on the development and technology of XML, and will know how to choose different XML technology according to the actual network and area. The course covers the techniques related to XML, including Schema, XPath, XQuery, XLST and so on. Additionally, the mixture XML and RDBMS are introduced. |
| **Teaching Methods** |  |
| **Assessment\*** | Experiment |
| **Textbook(s)** | Beginning XML 4th Edition |
| **Reading** |  |
| **Prerequisites** |  |
| **Lecturer(s)** |  |

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）\*** | XML及其应用 |
| **课程名称（英文）\*** | XML and its Applications |
| **课程代码\*** | 0800555 |
| **授课学期\*** | Semester 7 |
| **学时\*** | 54 |
| **学分\*** | 3 |
| **课程简介\*** | 该课程是软件工程专业的一门专业选修课。该课程介绍了XML的基本概念和相关技术以及在不同的行业中的应用。在课程过程中，将会有3-4个单元实验，要求学生能独立完成，以充分掌握理论知识。期末考核是综合实验及报告，最终成绩将取决于平时的单元实验以及最后的综合单元实验。 |
| **课程目标、内容\*** | 让学生从理论上和实践上对XML和相关应用技术及其发展趋势有较完整认识和了解，并能够在计算机网络、电子商务等实际应用环境中选择使用适当地XML技术。课程主要覆盖XML相关的技术，包括Schema、XPath、XQuery、XLST。此外，还将介绍到XML与关系数据库系统的关系和混合使用技术。 |
| **教学方法** |  |
| **考核方式\*** | 实验报告 |
| **教材** | Beginning XML 4th Edition |
| **推荐阅读** |  |
| **先导课程** |  |
| **授课教师** |  |

注：\*为必填。