附件2

**武汉大学全英文授课课程信息表**

**Wuhan University Course Outline**

**School/Department: School of Economics and Management**

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| **Course Name (Chinese)\*** | 微积分 |
| **Course Name (English)\*** | Calculus |
| **Course Code\*** | 0700012 |
| **Availability\*** | Semester 1 □Semester 2 |
| **Course Hours\*** | 72 |
| **Credits\*** | 4 |
| **Course Description\*** | This course is compulsory for students in their university study except they are majoring in arts and social science. It is offered only in the Fall semester. Topics include a brief review of polynomials, trigonometric, exponential, and logarithmic functions, followed by discussion of limits, derivatives, and applications of differential calculus to real-world problem areas, overview of integration, basic techniques for integration, a variety of applications of integration, and an introduction to (systems of) differential equations. |
| **Course Objectives/Content\*** | Know the theory in calculus, Master the methods in calculus, Apply it in practice to solve problems |
| **Teaching Methods** |  |
| **Assessment\*** | Assignments（40%）+ Final exam（60%）  |
| **Textbook(s)** | James Stewart, Calculus, McMaster University and University of Toronto, Seventh Edition |
| **Reading** | Dale Varberg, Edwin J. Purcell, Steven E. Rigdon, Calculus, Ninth Edition (Reference) |
| **Prerequisites** | Advanced Mathematics |
| **Lecturer(s)** | Tingsong Wang |

注：\*为必填。