上海建桥学院课程教学进度计划表

Teaching Schedule

**一、基本信息**Basic Information

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| 课程代码Course Code | 2140020 | 课程名称Course Name | 数据库原理及应用（双语）Principle and Application of Database (Bilingual) |
| 课程学分Course Credits | 3 | 总学时Total Course Hours | 48 |
| 授课教师Instructor | 余莉Li Yu | 教师邮箱Email | 08041@gench.edu.cn |
| 上课班级Class | 数字媒体技术B20-1/2Bachelor in Digital Media TechnologyB20-1/2 | 上课教室Classroom | 信息328Information Building 328 |
| 答疑时间Q&A Time | 周三Wednesday 7-8节 |
| 主要教材Teaching Materials | 数据库系统概念，（美）Abraham Silberschatz等，高等教育出版社，第7版Database System Concept, (US) Abraham Silberschatz et., Higher Education Press, Version 7 Edition |
| 参考资料Bibliography | Database Illuminated, Catherine M. Ricardo and Susan D. Urban, Jones & Bartlett Learning, 3rd Edition |

**二、课程教学进度**Teaching Schedule

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| 周次Week/Times | 教学内容Topics | 教学方式Teaching Methods | 作业Assignment |
| 1 | **Chapter 1 Introduction** **第一章 概论** | Lecture and Discussion授课与讨论 |  |
| 2-3 | **Chapter 2 Introduction to the Relational Model** **第二章关系模型介绍** | Lecture and Discussion授课与讨论 | Homework-Chapter2第二章 家庭作业 |
| 4-6 | **Chapter 3 Introduction to SQL** **第三章 SQL简介**SQL Data Definition, Basic Structure of SQL Queries, Aggregate Functions, Nested Sub-queries, Modification of the DatabaseSQL数据定义、SQL查询的基本结构、聚集函数、嵌套子查询、修改数据库 | Lecture and Discussion授课与讨论 | Homework-Chapter3第三章 家庭作业 |
| 7-8 | **Chapter 4 Intermediate SQL** **第四章 中级SQL**Join Expressions, Views, Integrity Constraints连接表达式、视图、完整性约束 | Lecture and Discussion授课与讨论 | Homework-Chapter4第四章 家庭作业 |
| 9-10 | **Chapter 5 Advanced SQL** **第五章 高级SQL** Accessing SQL From a Programming Language, Functions and Procedures, Triggers使用程序设计语言访问数据库、函数和过程、触发器 | Lecture and Discussion授课与讨论 | Homework-Chapter5第五章 家庭作业 |
| 11-13 | **Chapter 6 Database Design Using the E-R Model****第六章 使用E-R模型的数据库设计**The Entity-Relationship Model, Constraints, Entity-Relationship Diagrams, Reduction to Relational Schema实体-联系模型、约束、实体-联系图、转换为关系模式 | Lecture and Discussion授课与讨论 | homework-Chapter7第六章 家庭作业 |
| 14 | **Chapter 7 Relational Database Design** 1. **关系数据库设计**

Features of Good Relational Designs, Normal Form, Functional Dependencies好的关系设计的特点、范式、函数依赖 | Lecture and Discussion授课与讨论 |  |
| 15 | **Chapter 17 Transactions** **第十七章 事务**Concept, fundamentals of transaction事务概念、事务处理系统的基本性质 | Lecture and Discussion授课与讨论 |  |
| 16 | Review week, this week's teaching task is to lead students achieving a comprehensive and systematic review. Effectively check the omissions and make up for the deficiencies, in order to help students consistently understand all the knowledge points explained in this semester.复习周，本周的教学任务是带领学生全面、系统的复习。有效地检漏补缺，帮助学生理解本学期所讲解的所有知识点。 | Q&A: the questions for the report of team work授课，问答，主要针对团队报告的释疑 | Review all Chapters and A Report & Case Study章节复习及报告与案例学习 |

**三、评价方式以及在总评成绩中的比例 Assessment Index & Weightage**

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| --- | --- | --- |
| 总评构成（1+X）Grading Computation | 评价方式Assessment Index | 占比（%)Weightage（%） |
| 1 | 期末考核：个人项目报告（2000 words）Final Personal Report（2000 words） | 50% |
| X1 | 过程考核：个人作业（800 words）Personal Work（800 words） | 20% |
| X2 | 过程考核：小组团队作业（1200 words）Team Work（1200 words） | 20% |
| X3 | 过程考核：课堂表现Class Performance | 10% |

任课教师Signed by Instructor：

系主任审核Signed by Teaching Supervisor：

日期Date：