**烟台大学文经学院2017-2018学年第一学期教学日历**

**院（系、部）：基础教学部 课程名称：高等数学（2-1） 任课教师：安徽燕 听课班级：管1751-1,机1751-1,会1751-1**

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| **日/月**  **至**  **日/月** | **周**    **次** | **讲课内容摘要** | | **周学时** | | | | **实验内容摘要** | **周学时** | | | | **习题课或讨论课内容摘要** | | **周学时** | | **课外作业** | **课外时数** | | **备注**  **(必修书和参考书)** | |
| **课内** | | **课外** | | **课内** | | **课外** | | **课**  **内** | **课**  **外** |
| 9.18 | 4 | **第1章 函数、极限与连续函数**  1.1集合、映射、函数的概念(1) | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.1 |  | | **必修书(教材)：**  《高等数学》(上册)  刘光旭 张巧真 编  北京邮电大学出版社  **参考书：**  《大学数学微积分》(第二版)，萧树铁等编著，高等教育出版社  《高等数学》，(上册)  同济大学数学系 编，高等教育出版 | |
| 9.21 | * 1. 函数的几种特性、反函数与复合函数、   初等函数(2) | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.1 |  | |
| 9.25 | 5 | 1.2数列的极限及性质(1) | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.2 |  | |
| 9.27 | 1.2函数的极限及性质(2)  限运算法则 | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.2 |  | |
| 9.28 | 1.2 无穷小量与无穷大量 极限存在准则(3) | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.2 |  | |
| 10.02 | 6 | **十一放假** | | 2 | |  | |  |  | |  | |  | |  |  |  |  | |
| 10.05 | 2 | |  | |  |  | |  | |  | |  |  |  |  | |
| 10.09 | 7 | 1.2两个重要极限、无穷小量的比较(4) | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.2 |  | |
| 10.11 | 1.3连续函数的定义、运算及  闭区间上连续函数的性质 | | 2 | |  | |  |  | |  | |  | |  |  | 习题1.3 |  | |
| 10.12 | 第1章习题课 | |  | |  | |  |  | |  | |  | | 2 |  |  |  | |
| 10.16 | 8 | **第2章 导数与微分**  2.1导数的概念 | | 2 | |  | |  |  | |  | |  | |  |  | 习题2.1 |  | |
| 10.19 | 2.2 函数的求导法则(1) | | 2 | |  | |  |  | |  | |  | |  |  | 习题2.2 |  | |
| 10.23 | 9 | 2.2隐函数及由参数方程所确定的函数的导数(2) | | 2 | |  | |  |  | |  | |  | |  |  | 习题2.2 |  | |
| 10.25 | 2.3高阶导数 | | 2 | |  | |  |  | |  | |  | |  |  | 习题2.3 |  | |
| 10.26 | 2.4 微分 | | 2 | |  | |  |  | |  | |  | |  |  | 习题2.4 |  | |
| 10.30 | 10 | 第2章习题课 | |  | |  | |  |  | |  | |  | | 2 |  |  |  | |
| 11.02 | **第3章 微分中值定理与导数的应用**  3.1 微分中值定理 3.2 洛必达法则 | | 2 | |  | |  |  | |  | |  | |  |  | 习题3.1,3.2 |  | |
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| **课内** | | **课外** | | **课内** | | **课外** | | **课**  **内** | **课**  **外** |
| 11.06 | 11 | 习题课 |  | |  | |  | | |  | |  | |  | 2 |  |  | |  | |  | |
| 11.08 | 3.3泰勒公式  3.4 函数的单调性与曲线的凹凸性(1) | 2 | |  | |  | | |  | |  | |  |  |  | 习题3.4 | |  | |
| 11.09 | 3.4 函数的极值与最大值最小值(2) | 2 | |  | |  | | |  | |  | |  |  |  | 习题3.4 | |  | |
| 11.13 | 12 | 第3章习题课 |  | |  | |  | | |  | |  | |  | 2 |  |  | |  | |
| 11.16 | **第4章 不定积分**  4.1 原函数与不定积分的概念  4.2 不定积分的性质和基本公式 | 2 | |  | |  | | |  | |  | |  |  |  | 习题4.1,4.2 | |  | |
| 11.20 | 13 | 4.3 换元积分法(1) | 2 | |  | |  | | |  | |  | |  |  |  | 习题4.3 | |  | |
| 11.22 | 4.3换元积分法(2) | 2 | |  | |  | | |  | |  | |  |  |  | 习题4.3 | |  | |
| 11.23 | 习题课 |  | |  | |  | | |  | |  | |  | 2 |  |  | |  | |
| 11.27 | 14 | 4.4 分部积分法 | 2 | |  | |  | | |  | |  | |  |  |  | 习题4.4 | |  | |
| 11.30 | 第4章习题课 |  | |  | |  | | |  | |  | |  | 2 |  |  | |  | |
| 12.04 | 15 | **第5章 定积分**  5.1定积分的概念与基本性质 | 2 | |  | |  | | |  | |  | |  |  |  | 习题5.1 | |  | |
| 12.06 | 5.2微积分学基本定理 | 2 | |  | |  | | |  | |  | |  |  |  | 习题5.2 | |  | |
| 12.07 | 5.3定积分的换元法和分部积分法 | 2 | |  | |  | | |  | |  | |  |  |  | 习题5.3 | |  | |
| 12.11 | 16 | 习题课 |  | |  | |  | | |  | |  | |  | 2 |  |  | |  | |
| 12.14 | 5.4定积分的应用(1) | 2 | |  | |  | | |  | |  | |  |  |  | 习题5.4 | |  | |
| 12.18 | 17 | 5.4定积分的应用(2) | 2 | |  | |  | | |  | |  | |  |  |  | 习题5.4  （2)； P252：1，4，,5 | |  | |
| 12.20 | 第五章习题课 |  | |  | |  | | |  | |  | |  | 2 |  |  | |  | |
| 12.21 | 复习 | 2 | |  | |  | | |  | |  | |  |  |  |  | |  | |
| 12.25 | 18 | 复习 | 2 | |  | |  | | |  | |  | |  |  |  |  | |  | |
| 12.28 | 2 | |  | |  | | |  | |  | |  |  |  |  | |  | |

**教研室主任： 系（部）主任： 2017年 9月1日**