

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

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| 1. | 课程名称 Course Title | 科技创新项目 Science & Technology Innovation Projects |
| 2. | 授课院系 Originating Department | 信息系统与管理工程系 Department of Information Systems & Management Engineering |
| 3. | 课程编号 Course Code | MIS480 |
| 4. | 课程学分 Credit Value | 2 |
| 5. | 课程类别 Course Type | 专业核心课 Major Core Courses |
| 6. | 授课学期 Semester | 春季 Spring / 夏季 Summer / 秋季 Fall |
| 7. | 授课语言 Teaching Language | 中英双语 English & Chinese |
| 8. | 授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors) | <p>该课程的项目指导老师为信管系全体教师</p> <p>课程负责人: 李崇, 信息系统与管理工程系, lic6@sustech.edu.cn</p> <p>The project instructors of this course are all faculty members of ISME department</p> <p>Coordinator: Chong Li, Department of Information Systems & Management Engineering, Email: lic6@sustech.edu.cn</p> |
| 9. | 实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact | 无 NA |
| 10. | 选课人数限额(可不填) Maximum Enrolment (Optional) | |

| 11. 授课方式 Delivery Method | 讲授 Lectures | 习题/辅导/讨论 Tutorials | 实验/实习 Lab/Practical | 其它(请具体注明) Other (Please specify) | 总学时 Total |
|---|----------------|-----------------------|------------------------|-------------------------------------|--------------|
| 学时数 Credit Hours | | | 64 | | 64 |
| 12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements | 无 None | | | | |
| 13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite | 无 None | | | | |
| 14. 其它要求修读本课程的学系 Cross-listing Dept. | 无 None | | | | |

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

科技创新项目是一门必修课程，是为职业做准备的一门实践课程。课程以创新能力的培养为主线，教学生学会从新的视角思考问题、用创新的思维方法观察问题，用创新技法解决问题。结合所学专业，产生发明、创造、创新成果。对学生树立创新意识，提高分析、解决现场问题的能力及利用创新技法实施发明创造具有指导性作用，为国家社会发展一线培养高素质技能型人才。

Science & Technology Innovation Projects is a compulsory course in the Program. It is a practical course which helps students with their preparation for the profession. The course focuses on the cultivation of innovative abilities, teaching students to think about problems from a new perspective, observe problems with innovative thinking methods, and solve problems with innovative techniques. Combine with the majors studied, and produce inventions, creations, and innovations. It has a guiding role in building students' awareness of innovation, improving their ability to analyze and solve problems on the spot, and using innovative techniques to implement inventions and creations, and cultivating high-quality skilled talents for the country's social and economic development.

16. 预达学习成果 Learning Outcomes

1. 掌握创新的几种思维方式及创新技法的内容，学会运用创新思维及技法解决现实问题。
 2. 提高学生的创新思维能力及创新技法的应用能力。通过实践活动提高学生的创新能力、动手能力、多向思维能力、分析解决问题的能力、团队合作力。
 3. 通过项目活动训练，培养学生的创新理念、积极主动的创新意识，使其具备创新能力。提升学生的专业素质。
1. Master the innovative ways of thinking and the content of innovative techniques, and learn to use innovative thinking and techniques to solve real problems.
 2. Improve students' innovative thinking ability and application ability of innovative techniques. Improve students' ability to innovate, hands-on, multi-directional thinking, analytical problem-solving, and teamwork through practical activities.
 3. Through the training of project activities, students' innovative ideas and proactive innovation consciousness will be cultivated to make them innovative. Improve the professional quality of students.

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）

Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

科技创新项目一学分认定标准

满足以下任一条件，即可获得创新学分 2 分：

- (1) 在同行评估的学术杂志发表论文；
- (2) 参加大学生创新创业训练计划项目；
- (3) 获得省部级以上竞赛奖；
- (4) 参加企业实习并提供证明（但不得与专业实习同时获得学分）；
- (5) 参加科研项目并获学术导师认可；
- (6) 参加企业调研，形成调研报告并获业界导师认可。

Science & Technology Innovation Projects — Credit Certification Standard

You can earn 2 innovative credits if you meet any of the following conditions:

- (1) Publish an academic paper in peer-reviewed academic journals;
- (2) Participate in the Innovation and Entrepreneurship Training Program for Undergraduates;
- (3) Win a award in competitions (provincial and ministerial level or above);
- (4) Participate in a company internship and provide relevant certificate, but you must not earn credits at the same time for MIS370 Internship;
- (5) Participate in an academic research project and get recognized by the academic instructor;
- (6) Participate in a corporate research and get recognized by the industry instructor.

18. 教材及其它参考资料 Textbook and Supplementary Readings

无 None

课程评估 ASSESSMENT

| 19. 评估形式 Type of Assessment | 评估时间 Time | 占考试总成绩百分比 % of final score | 违纪处罚 Penalty | 备注 Notes |
|-----------------------------------|--------------|----------------------------------|-----------------|-------------|
| 出勤 Attendance | | | | |
| 课堂表现 Class Performance | | | | |
| 小测验 Quiz | | | | |
| 课程项目 Projects | | 100 | | |
| 平时作业 Assignments | | | | |
| 期中考试 Mid-Term Test | | | | |

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|---|--|--|--|--|
| 期末考试 Final Exam | | | | |
| 期末报告 Final Presentation | | | | |
| 其它（可根据需要 改写以上评估方 式） Others (The above may be modified as necessary) | | | | |

20. 记分方式 **GRADING SYSTEM**

- A. 十三级等级制 **Letter Grading**
 B. 二级记分制（通过/不通过） **Pass/Fail Grading**

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
This Course has been approved by the following person or committee of authority

