

## 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.

1.	课程名称 <b>Course Title</b>	创新创业实践 Innovation and Entrepreneurship: Practice and Principles				
2.	授课院系 <b>Originating Department</b>	机械与能源工程系 Department of Mechanical and Energy Engineering				
3.	课程编号 <b>Course Code</b>	ME492				
4.	课程学分 <b>Credit Value</b>	2				
5.	课程类别 <b>Course Type</b>	专业必修课 Major Required Courses				
6.	授课学期 <b>Semester</b>	秋季/春季 fall and Spring				
7.	授课语言 <b>Teaching Language</b>	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） <b>Instructor(s), Affiliation &amp; Contact</b> (For team teaching, please list all instructors)	杨再跃等全体机械与能源工程系教师等 机械与能源工程系 yangzy3@sustech.edu.cn Zaiyue Yang Department of Mechanical and Energy Engineering yangzy3@sustech.edu.cn				
9.	实验员/助教、所属学系、联系方式 <b>Tutor/TA(s), Contact</b>	待公布 To be announced				
10.	选课人数限额(可不填) <b>Maximum Enrolment (Optional)</b>					
11.	授课方式 <b>Delivery Method</b>	讲授 <b>Lectures</b>	习题/辅导/讨论 <b>Tutorials</b>	实验/实习 <b>Lab/Practical</b>	其它(请具体注明) <b>Other (Please specify)</b>	总学时 <b>Total</b>
	学时数			64		64

**Credit Hours**

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<b>12.</b>	先修课程、其它学习要求 <b>Pre-requisites or Other Academic Requirements</b>	无。NA
<b>13.</b>	后续课程、其它学习规划 <b>Courses for which this course is a pre-requisite</b>	
<b>14.</b>	其它要求修读本课程的学系 <b>Cross-listing Dept.</b>	

**教学大纲及教学日历 SYLLABUS**

**15. 教学目标 Course Objectives**

创新创业实践是本科教学的重要环节，为专业必修课，旨在培养学生的科技创新能力与创业能力，提升其综合素质。

“Innovation and entrepreneurship: practice and principles” is an important part of undergraduate education. It is a major required course for undergraduate students. It aims at cultivating students' innovation ability and entrepreneurial ability, and improving their comprehensive quality.

**16. 预达学习成果 Learning Outcomes**

通过本课程的实践训练，使学生树立创新意识，能从创新、创业的角度思考问题、分析问题和解决问题，全面提高学生的综合素质，为学生后续创新实践、创业奠定基础。

Through this course, students can establish the awareness of innovation, analyze problems and solve problems from the perspective of innovation and entrepreneurship, and improve their comprehensive quality. It lays a foundation for students' innovation and entrepreneurship after graduation.

**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.)**

结合南方科技大学关于该课程的要求，以及机械工程专业的特点，学生可通过以下几种方式修读：

1. 参加南方科技大学大学生创新训练计划（SITP，简称“大创”）。相关规定可参考《南方科技大学大学生创新训练计划（SITP）管理实施办法（暂行）》。
2. 参加学科竞赛并获奖。包括中国机器人及人工智能大赛、RoboMaster、中国大学生电动方程式大赛等经我系教学委员会认可的具有一定规模及影响力的学科竞赛等。相关规定可参考《南方科技大学本科生学科竞赛奖励办法（试行）》。
3. 获得专利、软件著作权及发表学术论文。包括国家认定的各项专利及软件著作权，学术论文指以第一作者发表在学科相关学术期刊（EI/SCI 收录）上的文章。
4. 参加我系课题组科研训练项目。学生可自行选择大一至大四期间开展科研训练项目。需结合自身今后深造或就业方向，选择我系指导教师及课题组，按照指导教师所安排课题开展项目训练。但大四学生的科研训练项目应不同于其毕业设计/研究课题。
5. 经我系教学委员会认可的相关课程可以认定的相关课程。
6. 经我系教学委员会认可的其他相关的创新创业项目。

Based on the requirements of this course, students can study in the following ways,

1. SITP.
2. Competitions and awards. It is including China Robot and AI Contest, RoboMaster, FSC, etc.
3. Obtain patent software copyright and publish academic paper.
4. To participate in the research training program of our department's research group. Students can choose to carry out the research training program between the first year and the fourth year on their own. They need to choose our department's guidance teachers and the research team based on their future study or employment direction, and

carry out the project training in accordance with the project assigned by the guidance teachers.

5. Other related courses approved by the department.
6. Other related innovation and entrepreneurship projects approved by the department.

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

无。NA

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				
平时作业 Assignments				
期中考试 Mid-Term Test				
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)		100%		1. 学生填写创新创业课程学分认定申请表，并提交相应的证明材料。 2. 评审老师对学生学分认定申请表及相关证明材料综合评定。 3. 按“通过”和“不通过”记载成绩。

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

机械与能源工程系教学委员会



南方科技大学  
SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY

