

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 Course Title	芯片创新成果转化实训 Training of IC creative achievements transferring
2.	授课院系 Originating Department	School of Microelectronics 深港微电子学院
3.	课程编号 Course Code	SMES210
4.	课程学分 Credit Value	1
5.	课程类别 Course Type	专业选修课 Major Elective Courses
6.	授课学期 Semester	夏季 Summer
7.	授课语言 Teaching Language	中文 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)	刘欢, 教学实验师, 深港微电子学院, liuh3@sustech.edu.cn Huan Liu, Teaching Technician, School of Microelectronics, liuh3@sustech.edu.cn
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	60

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
			32		32
学时数 Credit Hours					
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	EE204 半导体器件导论 或者 SEM204 微电子基础 II EE204 Introduction to semiconductor devices or SEM204 Fundamentals of Integrated Circuit II				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite					
14. 其它要求修读本课程的学系 Cross-listing Dept.					

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

本课程将针对集成电路成果转化的需求，通过具体的案例分析，本课程将针对集成电路成果转化的需求，通过具体的案例分析，讲述创新成果报告的撰写要求，重点在于商业计划书的撰写（团队介绍、技术与产品、市场分析、竞争分析、投资说明、风险分析、组织管理等），让学生了解集成电路创新创业成果转化所需的内容与条件。并通过给定题目，搜索资料撰写报告、分组讨论、模拟练习、仿真路演等实训方式，实现理论与实践的融合。

This course will focus on IC achievement transformation, teaching case analysis and report writing methods. Such as Architecture analysis of System , Key indicators, Team introduction, Technology of products, Marketing analysis, Competitive power, organizational management, etc.and practice through practical training methods such as searching materials to write reports, group discussions, simulation exercises, simulation road shows,etc, realize the integration of theory and practice.

16. 预达学习成果 Learning Outcomes

1. 了解集成电路创新创业成果转化所需的内容与条件

Understand the requirements of IC innovation and entrepreneurship achievements transformation.

2. 掌握创新成果技术报告撰写方法

Master the writing method of innovation achievement technical report.

3. 了解商业计划书内容及要求

Understand the requirements of Business plan.

4. 掌握商业计划书的撰写方法

Master the the writing method of Business plan.

5. 演练芯片创新成果展示

Simulation training.

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.)

第 1-4 学时：介绍成果转化要求，案例分析，讲解成果技术报告中撰写要求（技术原理分析）。

Credit Hours 1-4: Introduce requirements, case analysis and explain requirements for writing technical reports on results (technical analysis)

第 5-8 学时：具体案例分析，讲解成果技术报告中撰写要求（技术指标与创新）。

Credit Hours 5-8: Case analysis and explain requirements for writing technical reports on results (Technical index and Innovation point)

第 9-12 学时：实战演练：给定题目，撰写成果技术报告。

Credit Hours 9-12: Simulation training : Writing a technical report on a given topic

第 13-16 学时：案例分析，讲解商业计划书的撰写要求（团队介绍、技术与产品）。

Credit Hours 13-16: Case analysis and explain requirements for writing Business plan on results (Team introduction, technology and products)

第 17-20 学时：案例分析，讲解商业计划书的撰写要求（市场分析、竞争分析）

Credit Hours 17-20: Case analysis and explain requirements for writing Business plan on results (Marketing and competitors)

第 21-24 学时：实战演练：自选题目，完成商业计划书的团队介绍、技术与产品、市场分析、竞争分析部分。

Credit Hours 21-24: Simulation training : Writing part of Business plan on optional topic

第 25-28 学时：案例分析，讲解商业计划书的撰写要求（组织管理、风险分析、投资说明）

Credit Hours 25-28: Case analysis and explain requirements for writing Business plan on results (Management, risk, and investment)

第 29-32 学时：实战演练：按照集创赛要求，自选题目，完成商业计划书的组织管理、风险分析部分，形成一份相对完整的商业计划书

Credit Hours 29-32: Simulation training : finish the Business plan on optional topic

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

历年全国大学生集成电路创新创业优秀作品

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		20		
课堂表现 Class		20		



Performance				
小测验 Quiz				
课程项目 Projects		30		
平时作业 Assignments				
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation		30		
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



SUSTech
Southern University
of Science and
Technology