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	毕业论文（设计） Thesis （Graduation Project）
2.	授课院系 **Originating Department**	深港微电子学院 School of Microelectronics
3.	课程编号 **Course Code**	SME490
4.	课程学分 Credit Value	8
5.	课程类别 **Course Type**	专业核心课 Major Core Courses
6.	授课学期 **Semester**	秋季 Fall / 春季 Spring
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**）	微电子学院相关老师 (课程协调人，崔德虎) 崔德虎/ CUI Dehu 深港微电子学院 助理教授, School of Microelectronics, Assistant Professor 第二科研楼 527, Research Building 2,ro
9.	实验员/助教、所属学系、联系方式 **Tutor/TA(s), Contact**	待公布 To be announced
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**			256		256

12.	先修课程、其它学习要求 **Pre-requisites or Other Academic Requirements**	
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**

本课程旨在使学生对所学过的基础理论和专业知识进行一次全面、系统地回顾和总结，通过对具体题目的分析，使理论与实践相结合，巩固和发展所学理论知识，掌握正确的思维方法和基本技能，提高学生独立思考能力和团结协作的工作作风，提高学生利用计算机解决实际问题的能力及计算机实际操作水平，促进学生建立严谨的科学态度和工作作风。

This course aims to enable students to conduct a comprehensive and systematic review and summarization of the basic theories and professional knowledge they have learned. Through the analysis of specific topics, the theory and practice can be combined to consolidate and develop the theoretical knowledge learned and master the correctness. The thinking method and basic skills, improve students' independent thinking ability and work style of unity and cooperation, improve students' ability to use computers to solve practical problems and the actual operation level of computers, and promote students to establish a rigorous scientific attitude and work style.

16. **预达学习成果 Learning Outcomes**

1、通过毕业论文设计，使学生巩固、验证和深化已学到的微电子专业基本概念、基本知识和基本技能。

2、培养学生运用专业知识提出问题、分析问题和解决问题的能力，提高学生的综合素养，为学生的职业发展和继续深造打好基础。

3、了解本课题国内外发展动态与水平，培养学生检索、阅读国内外文献资料的能力。

1. Students will consolidate, verify and deepen the basic concepts, basic knowledge and basic skills that have been learned.

2. Cultivate students' ability to use professional knowledge to ask questions, analyze problems and solve problems, improve students' comprehensive quality, and lay a good foundation for students' career development and further study.

3. Understand the development dynamics and level of the subject at home and abroad, and cultivate students' ability to search and read domestic and foreign literature.

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.)

毕业论文环节要求一人一题，即一位同学独立完成一个论文课题，由指导教师监督与管理。

（一）选题。公布毕业论文（设计）指导教师名单及备选论文（设计）题目，组织学生选定题目和指导教师，学生也可与指导教师协商确定论文题目。题目确定后，指导教师向学生下达任务书，明确内容、任务和目标、研究进度及基本要求等，学生应在指导教师指导下进行文献检索、调研、实验等论文（设计）的前期准备工作。

（二）开题。指导教师指导学生写出开题报告，做好开题工作。开题之后，指导教师应进一步指导学生完成毕业论文（设计），定期检查其工作进度和质量，及时解答和处理学生提出的有关问题。

（三）中期检查。了解论文（设计）研究、写作等进展情况，及时协调、处理毕业论文（设计）写作过程中的有关问题。

（四）评阅。学生完成毕业论文（设计）并交指导教师审阅。

（五）答辩。成立答辩委员会，组成答辩小组对学生进行毕业论文（设计）答辩。答辩小组根据指导教师所评成绩、评阅教师所评成绩和答辩成绩计算出论文（设计）综合成绩。

1.Topic selection. Publish the graduation thesis (graduation project)instructor list and the alternative paper (graduation project) topic, organize the students to select the topic and guide the teacher, and the student can also negotiate with the instructor to determine the thesis title. After the title is determined, the instructor will assign a task book to the student to clarify the content, tasks and objectives, research progress and basic requirements. Students should conduct preparatory work for paper retrieval, research, experiments and other papers (graduation project) under the guidance of the instructor.

2. Thesis proposal. The instructor instructs the students to write the opening report and do the work well. After the opening of the question, the instructor should further guide the students to complete the thesis (graduation project), regularly check the progress and quality of their work, and promptly answer and deal with the relevant questions raised by the students.

3. Mid-term inspection. Understand the progress of paper (design) research, writing, etc., coordinate and deal with relevant issues in the process of writing graduation thesis (graduation project) in a timely manner.

4.Thesis review. Submit the thesis to the instructor for review.

5.Reply. A defense committee will be formed to form a defense panel to answer the students' graduation thesis (graduation project). The responding team calculates the comprehensive score and the grade of the thesis (graduation project) based on the results of the instructor's assessment.

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

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)				

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