

## 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.	<b>课程名称 Course Title</b>	电子信息高阶讲座课 <b>Advanced Lecture for Information Science</b>
2.	<b>授课院系 Originating Department</b>	电子与电气工程系
3.	<b>课程编号 Course Code</b>	EE212
4.	<b>课程学分 Credit Value</b>	1
5.	<b>课程类别 Course Type</b>	专业选修课 Major Elective Course
6.	<b>授课学期 Semester</b>	春季 Spring
7.	<b>授课语言 Teaching Language</b>	中英双语 English & Chinese
8.	<b>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 &amp; Contact (For team teaching, please list all instructors)</b>	张青峰, 电子系教授团队, 电子与电气工程系, 邮箱: zhangqf@sustech.edu.cn ZHANG Qingfeng, Team teaching from EEE professors, Department of Electronics and Electrical Engineering, Email: zhangqf@sustech.edu.cn
9.	<b>实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact</b>	无 NA
10.	<b>选课人数限额(可不填) Maximum Enrolment (Optional)</b>	

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	16				16
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无 NA				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 NA				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 NA				

### 教学大纲及教学日历 SYLLABUS

#### 15. 教学目标 Course Objectives

课程将采取以学生为中心的方式进行授课，老师将结合学生感兴趣的前沿知识安排讲课内容。课程将介绍电子相关领域的前沿知识，帮助学生扩展知识，并锻炼团队合作能力、沟通能力等。

This course takes a student-centered way for teaching. Students will invite their interested professors to give the lecture. This course will introduce the frontier research topics in EEE related areas, which helps students on expanding knowledge and practicing team work and communication skills.

#### 16. 预达学习成果 Learning Outcomes

通过该课程的学习，学生有望了解电子相关领域的前沿知识，并提高团队合作能力和沟通能力。

Students will improve their team work and communication skills through this course.

#### 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.)**

课程内容将按照邀请教授的研究课题进行具体的安排，大致上将包括光电传感和显示（4学时）、信息处理与人工智能（4学时）、机器人（4学时）、通信器件和理论（4学时）等。主讲人由学生讨论确定，每学期都有所变动。课程将安排在双周进行，每次2小时。

The content will be arranged according to the specific area of invited speakers, which may vary from time to time. It may generally include photonics sensor and display (4 hour), artificial intelligence (4 hour), robotics (4 hour), communication device and theory (4 hour) etc. The speaker list is determined by the students. The course will be held on even week and last for two hours every time.

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

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### 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	40 分钟	100		
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