

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	物理学前沿问题选讲 Lectures on Selected Frontiers Physics				
2.	授课院系 Originating Department	物理系 Department of Physics				
3.	课程编号 Course Code	PHYS002				
4.	课程学分 Credit Value	2				
5.	课程类别 Course Type	专业选修 Major Elective				
6.	授课学期 Semester	秋季 Fall				
7.	授课语言 Teaching Language	不定				
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)	本课程为讲座类课程，由物理系教师、或邀请校外专家主讲。 联系人：叶飞，88018229，第二科研楼 228 室，物理系。				
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	无 N/A				
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
	0	0	考试周不算总学时	32	32	0

12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	大学物理 B(下) General Physics B (II) (PHY105B)
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 N/A
14. 其它要求修读本课程的学系 Cross-listing Dept.	面向全校。For all students.

教学大纲及教学日历 SYLLABUS

15. **教学目标 Course Objectives**

基于物理系目前各不同研究领域和方向，介绍物理学前沿研究热点，扩充学生视野和知识面，增加学生对物理系教师及其研究方向的了解。

Based on the research fields in the department of physics, introduce the contemporary frontier of physics, expand the scope of students, and acquaint the students with the research fields of the professors in the department of physics.

16. **预达学习成果 Learning Outcomes**

修完本课程，学生对物理系教师的研究方向有所了解，能够选择合适的方向和学术导师完成他们在物理系的学业。

After finishing the course, the students should have a knowledge of the research fields in the department of physics, and should be able to choose a suitable direction and a research advisor to finish their study in the physics major.

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.)

本课程为前沿讲座性质，主要围绕当前物理系教师的研究方向展开，由本校或者邀请校外相关领域知名专家为学生课设讲座报告。共开设不少于 16 次的讲座，每次讲座为 2 学时。本课程不设考试，学生完成其中 13 个以上的讲座，可获得 2 学分。

This course consists of at least 16 lectures(2 hours per lecture), focused on the research fields of the professors in the department of physics. The lectures are given by the professors in SUSTech or other experts in the related fields. There is no examination for this course. To obtain 2 credits for this course, the student should attend at least 13 lectures.

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

无

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		100%		
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)		本课程为考查性质。 成绩为通过和不通过两 种。		

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

物理系教学指导委员会
 Education Instruction Committee of Physics department