

PHYS4080 Physics Seminar and Tutorial II

Course Outline- Fall 2024

1. Instructor(s)

Coordinator: CHEN, Tian Wen, Room 4444, 2358 7983, twchen@ust.hk

T1 WONG, Kam Sing, Rm 4453, 2358 7475, phkswong@ust.hk

T2 LIU, Tao, Rm 4470, 2358 7984, taoliu@ust.hk

T3 CHAN, Ho Bun , Rm 4421, 2358 7493, hochan@ust.hk

T4 SOU, Iam Keong, Rm 4459, 2358 7476, phiksou@ust.hk

T5 YANG, Sen, Rm 4477, 2358 7981, phsyang@ust.hk

T6 PAN, Ding, Rm 4476, 2358 8896, dingpan@ust.hk

T7 LORTZ, Rolf Walter, Rm 4478, 2358 7491, lortz@ust.hk

T8 PROKOFIEV, Kirill, Rm 4414, 2358 7499, kprok@ust.hk

T9 TSUI, Ophelia K. C., Rm 4455, 3469 2671, okctsui@ust.hk

2. Teaching Assistant

LIU, Haiyang, Rm 4115C, 6679 6246, hliuec@connect.ust.hk

3. Meeting Time and Venue

Date/Time: Friday (12:30-13:20)

Venue: LTB

4. Course Description

Credit Points: 1

Pre-requisite: NIL

Exclusion: NIL

Brief Information/synopsis:

Appropriate seminars and small group tutorials are scheduled to expose students to a variety of issues in science and society, and to enhance students' communication with faculties and among themselves. Students are required to attend the seminars (given by invited speakers) and small group tutorials (supervised by a faculty member).

For Physics students in their fourth year of study under the four-year degree only. Graded P or F.

5. Intended Learning Outcomes

Learning Goals

The objectives of this course are

- I. to improve communications between students and faculty;
- II. to help students understand the academic policies of the department and university;
- III. to enhance students' abilities to speak and interact in a group;
- IV. to expose students to a variety of issues in science and global society;
- V. to give students practice in formulating a defensible ethical position; and
- VI. to help students become self-sufficient in retrieving information for lifelong learning.

Learning Outcomes

By the end of this course, students should be able to

- I. Express their opinions and concerns about their education to faculty members and their fellow students in both small and large group settings.
- II. Give a brief oral presentation to stimulate their classmates' interest in their favorite scientific topic.
- III. Participate in small group discussions on various topical issues.
- IV. Treat others with respect and politeness, both as individuals and when in large groups.
- V. Formulate and defend an ethical position on certain topics in science and global society, within the context of a case study on ethics.
- VI. Summarize the key concepts needed for effective teamwork and time management.
- VII. Search for and retrieve information on a variety of topics relevant to lifelong learning.
- VIII. Uphold the basic principles of academic integrity, such as avoiding plagiarism and using citations to give proper credit for the work of others.

6. Assessment Scheme

P/F. The grading is based on students' attendance and oral presentation performance.

7. Teaching and Learning Activities

Scheduled activities: 1 hr (seminar OR tutorial)

8. Course Schedule

Sep-6: Meeting with Mentor

Sep-13: Post-Graduate Study in HKUST, Speaker--Prof. WANG Yi, Department of Physics, HKUST

Sep-20: PG Students Sharing, Speaker--PG students

Sep-27: CV Writing Workshop, Speaker--Ms Grace Siu, Senior Learning & Development Trainer, Career Center, HKUST

Oct-4: Job Searching and Offer Management Workshop, Speaker--Ms Grace Siu, Senior Learning & Development Trainer, Career Center, HKUST

Oct-18: ICAC Seminar, Speaker--Ms Alice CHOI, Senior Community Relations Officer, ICAC Regional Office

Oct-25: Career Story Sharing by Alumnus: Opportunities and career paths, Speaker--Mr. Raiymbek Kerimbek, Quantitative Trader, Virtu Financial

Nov-1: UG Forum

Nov-8: Summer Internship Sharing

Nov-15: Student Presentation

Nov-22: Student Presentation

Nov-29: Award Ceremony and Photo-Taking