

Physics Enhancement Programme for Gifted Students (2019-2020)

Hong Kong University of Science and Technology (HKUST)

Phase I (47 Sessions) (SCIS2011)

Session	Date	Time	Contents	Lecturer	Venue
1	6 th July 2019	09:30-12:30	Mechanics I	TBC	2464 (Lift25/26)
2		14:00-17:00	Tutorial 1	TBC	4472, 4475, 5506 & 5508
3	13 th July 2019	09:30-12:30	Mechanics II	TBC	2464
4		14:00-17:00	Tutorial 2	TBC	4472, 4475, 5506 & 5508
5	20 th July 2019	09:30-12:30	Mechanics III	TBC	2464
6		14:00-17:00	Tutorial 3	TBC	4472, 4475, 5506 & 5508
AE 1*	24 th July 2019	1430-1600	AE Support 1: Enhance Resilience	TBC	2464
7	27 th July 2019	09:30-12:30	Mechanics IV	TBC	2464
8		14:00-17:00	Tutorial 4	TBC	4472, 4475, 5506 & 5508
9	3 rd August 2019	09:30-12:30	Waves I	TBC	2464
10		14:00-17:00	Tutorial 5	TBC	4472, 4475, 5506 & 5508
11	10 th August 2019	09:30-12:30	Waves II	TBC	2464
12		14:00-17:00	Tutorial 6	TBC	4472, 4475, 5506 & 5508
13	17 th August 2019	09:30-12:30	Thermodynamics I	TBC	2464
14		14:00-17:00	Tutorial 7	TBC	4472, 4475, 5506 & 5508

Session	Date	Time	Contents	Lecturer	Venue
15	24 th August 2019	09:30-12:30	Thermodynamics II	TBC	2464
16		14:00-17:00	Tutorial 8	TBC	4472, 4475, 5506 & 5508
17	31 st August 2019	09:30-12:30	Thermodynamics III (Prof. Wong)	TBC	2464
18		14:00-17:00	Tutorial 9	TBC	4472, 4475, 5506 & 5508
19	7 th September 2019	09:30-12:30	Electromagnetism I	TBC	2464
20		14:00-17:00	Selection Test 1 (From Session 1 to Session 18)	TBC	TBC
21	21 st September 2019	09:30-12:30	Electromagnetism II	TBC	TBC
22		14:00-17:00	Tutorial 10 + Paper checking (Selection Test 1)	TBC	TBC
23	28 th September 2019	09:30-12:30	Electromagnetism III	TBC	TBC
24		14:00-17:00	Tutorial 11	TBC	TBC
25	5 th October 2019	09:30-12:30	Electromagnetism IV	TBC	TBC
26		14:00-17:00	Tutorial 12	TBC	TBC
27	12 th October 2019	09:30-12:30	Electromagnetism V	TBC	TBC
28		14:00-17:00	Tutorial 13	TBC	TBC
29	19 th October 2019	09:30-12:30	Electromagnetism VI	TBC	TBC
30		14:00-17:00	Tutorial 14	TBC	TBC

Session	Date	Time	Contents	Lecturer	Venue
31	26 th October 2019	09:30-12:30	Electromagnetism VII	TBC	TBC
32		14:00-17:00	Tutorial 15	TBC	TBC
33	2 nd November 2019	09:30-12:30	Optics I	TBC	TBC
34		14:00-17:00	Tutorial 16	TBC	TBC
35	9 th November 2019	09:30-12:30	Optics II	TBC	TBC
36		14:00-17:00	Tutorial 17	TBC	TBC
37	16 th November 2019	09:30-12:30	Optics III	TBC	TBC
38		14:00-17:00	Tutorial 18	TBC	TBC
39	23 rd November 2019	09:30-12:30	Special Relativity	TBC	TBC
40		14:00-17:00	Tutorial 19	TBC	TBC
41	30 th November 2019	09:30-12:30	Modern Physics/Quantum Mechanics	TBC	TBC
AE2*		14:00-15:00	AE Support 2: Fear of failure	TBC	TBC
42		14:00-17:00	Tutorial 20	TBC	TBC
43	7 th December 2019	09:30-12:30	Astrophysics and Astronomy	TBC	TBC
44		15:00-18:00	Tutorial 21	TBC	TBC
45	14 th December 2019	09:30-12:30	Analysis of Experimental Measurements	TBC	TBC
46		14:00-17:00	Selection Test 2 (From Session 19 to Session 44)	TBC	TBC

47	21 st December 2019	09:30-12:30	Paper checking (Selection Test 2)	TBC	TBC
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*AE support session conducted by the Affective Education Division (HKAGE) will also be included in this training.

The AE support sessions enable students to:

1. enhance supportive relationship and social network among themselves;
2. build positive self-esteem and a sense of competence and resilience;
3. increase capacity of overcoming fear of failure and enhancing resilience.

PEP Phase I training rules

1. Phase I students who have attend 32 out of 47 sessions will receive a certificate from the HKAGE. Phase I students who have attend both of two AE sessions will receive another certificate from the HKAGE. For attendance and leave policy, please check http://www.hkage.org.hk/files/students/important-information/Policies_and_Forms/20151001_Attendance%20and%20Leave%20Policy_E.pdf
2. Phase I students who have been promoted to Phase II previously can choose to attend the lectures and the tutorials at their own discretion. They must notify HKUST in advance with evidence (e.g HKAGE learning record) showing that they were in Phase II before. However, they still need to attend all the selection tests.
3. Phase I students must attend all the selection tests. Zero mark will be given for those whose are absent from selection test(s).
4. The assessment of phase I consists of
 - Selection Test 1 ----- 50%
 - Selection Test 2 ----- 50%
5. Promotion to Phase II: Top 30 students based on the total score of two selection tests.
6. Phase II training schedule (tentative):
 - i) Phase I Assessment Result Announcement: 5p.m. 30 Dec 2019 (Monday);
 - ii) Mainly on Saturdays of Jan 2020 – Feb 2020

(For the latest information, please check at <http://hkpho.phys.ust.hk>.)

Last Modified: 28/05/2019

Room allocations

Tutorial Group	6/7 – 24/8		
1	4472(Lift25/26)		
2	4475(Lift25/26)		
3	5506(Lift25/26)		
4	5508(Lift25/26)		

4472, 4475, 5506 & 5508

Selection Test 1

7th September 2019

Venue: TBC

Selection Test 2:

7th December 2019

Venue: TBC

