Physics Enhancement Programme for Gifted Students (2018-2019)

Hong Kong University of Science and Technology (HKUST)

Phase I (47 Sessions)

Session	Date	Time	Contents	Venue
1	14th July 2018	09:30-12:30	**Mechanics I**	Room 4334 (Lift 13-15)
2		14:00-17:00	**Tutorial 1**	Room 5560, 5562, 5564, 5566
3	21st July 2018	09:30-12:30	**Mechanics II (Prof. Wong)**	Room 4334 (Lift 13-15)
4		14:00-17:00	**Tutorial 2**	Room 5560, 5562, 5583
5	28th July 2018	09:30-12:30	**Mechanics III (Dr. Chen)**	Room 4334 (Lift 13-15)
6		14:00-17:00	**Tutorial 3**	Room 5560, 5562, 5583
7	4th August 2018	09:30-12:30	**Mechanics IV**	Room 4621
8		14:00-17:00	**Tutorial 4**	Room 5560, 5562, 5564, 5566
9	11th August 2018	09:30-12:30	**Waves I**	Room 4621 (Lift 31-32)
10		14:00-17:00	**Tutorial 5**	Room 5560, 5562, 5564, 5566
11	18th August 2018	09:30-12:30	**Waves II**	Room 4621 (Lift 31-32)
12		14:00-17:00	**Tutorial 6**	Room 5560, 5562, 5564, 5566
13	25th August 2018	09:30-12:30	**Thermodynamics I (Prof. Wong)**	Room 4621 (Lift 31-32)
14		14:00-17:00	**Tutorial 7**	Room 2464, 2465, 3494, 4472

Session	Date	Time	Contents	Venue
15	1st September 2018	09:30-12:30	**Thermodynamics II (Prof. Wong)**	Room 2464 (Lift 25-26)
16		14:00-17:00	**Tutorial 8**	Room 5560, 5562, 5564, 5566
17	8th September 2018	09:30-12:30	**Thermodynamics III (Prof. Wong)**	Room 2464 (Lift 25-26)
18		14:00-17:00	**Tutorial 9**	Room 5560, 5562, 5564, 5566
19	15th September 2018	09:30-12:30	**Electromagnetism I**	Room 2464 (Lift 25-26)
20		14:00-17:00	**Selection Test 1 (Mechanics and Thermodynamics)**	**Room 1103, 1104 (near LTA)**
21	22nd September 2018	09:30-12:30	**Electromagnetism II**	Room 2464 (Lift 25-26)
22		14:00-17:00	**Tutorial 10 + Paper checking (Selection Test 1)**	**Room 1103, 1104 (near LTA)**
23	29th September 2018	09:30-12:30	**Electromagnetism III**	Room 2464 (Lift 25-26)
24		14:00-17:00	**Tutorial 11**	Room 5560, 5562, 5564, 5566
25	6th October 2018	09:30-12:30	**Electromagnetism IV**	Room 2464 (Lift 25-26)
26		14:00-17:00	**Tutorial 12**	Room 5560, 5562, 5564, 5566
27	13th October 2018	09:30-12:30	**Electromagnetism V**	Room 2464 (Lift 25-26)
28		14:00-17:00	**Tutorial 13**	Room 5560, 5562, 5564, 5566
29	20th October 2018	09:30-12:30	**Electromagnetism VI**	Room 2464 (Lift 25-26)
30		14:00-17:00	**Tutorial 14**	Room 5560, 5562, 5564, 5566

Session	Date	Time	Contents	Venue
31	27th October 2018	09:30-12:30	**Electromagnetism VII**	Room 2464 (Lift 25-26)
32		14:00-17:00	**Tutorial 15**	Room 5560, 5562, 5564, 5566
33	3rd November 2018	09:30-12:30	**Optics I**	Room 2464 (Lift 25-26)
34		14:00-17:00	**Tutorial 16**	Room 5560, 5562, 5564, 5566
35	10th November 2018	09:30-12:30	**Optics II**	Room 2464 (Lift 25-26)
36		14:00-17:00	**Tutorial 17**	Room 5560, 5562, 5564, 5566
37	17th November 2018	09:30-12:30	**Optics III**	Room 2464 (Lift 25-26)
38		14:00-17:00	**Tutorial 18**	Room 5560, 5562, 5564, 5566
39	24th November 2018	09:30-12:30	**Special Relativity**	Room 2464 (Lift 25-26)
40		14:00-17:00	**Tutorial 19**	Room 5560, 5562, 5564, 5566
41	1st December 2018	09:30-12:30	**Modern Physics/Quantum Mechanics**	TBC
42		14:00-17:00	**Tutorial 20**	TBC
43	8th December 2018	09:30-12:30	**Astrophysics and Astronomy**	TBC
44		14:00-17:00	**Tutorial 21**	TBC
45	15th December 2018	09:30-12:30	**Analysis of Experimental Measurements**	TBC
46		14:00-17:00	**Selection Test 2 (From Session 19 to Session 44)**	TBC
47	22nd December 2018	09:30-12:30	**Paper checking (Selection Test 2)**	TBC

PEP Phase I training rules

1. Phase I students who have 70% or above attendance rate will receive a 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 2: Top 30 students based on the total score of two selection tests.

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

Last Modified: 21/08/2018

Room allocations

Tutorial Group	14/07, 04/08/ 11/08, 18/08, 01/09 – 24/11 (PM Session only)	21/07/2018 and 28/07/2018 (PM Sessions only)	25/08/2018 (PM Session only)
1 (Tai Wai Ting)	5560 (Lift 27/28)	5560 (Lift 27/28)	2464 (Lift 25/26)
2 (Li shing Yan)	5562 (Lift 27/28)	5562 (Lift 27/28)	2465 (Lift 25/26)
3 (Tony Shing)	5564 (Lift 27/28)	5583 (Lift 27/28)	3494 (Lift 25/26)
4 (Dr. Choy)	5566 (Lift 27/28)	5583 (Lift 27/28)	4472 (Lift 25/26)

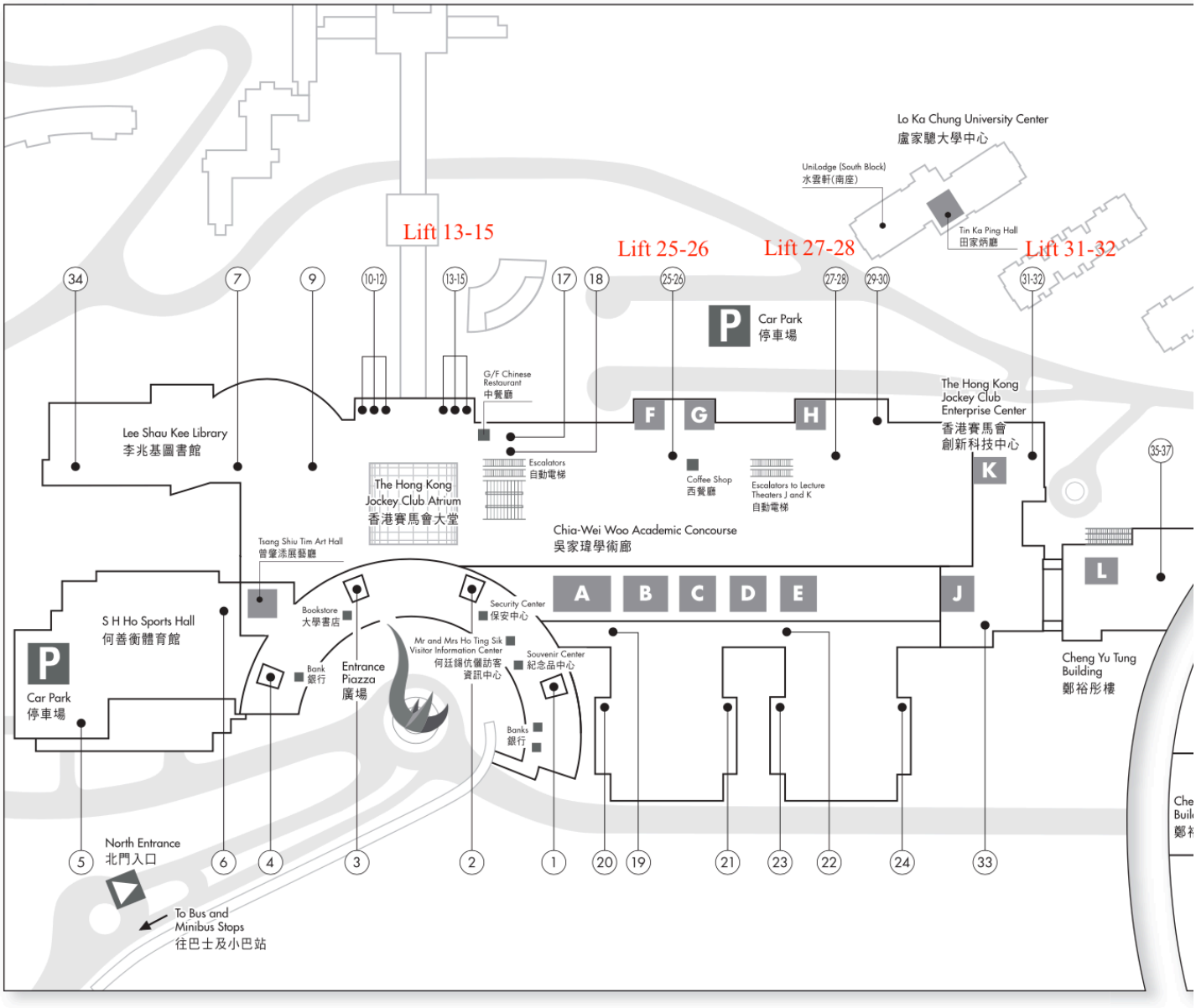
Selection Test 1

15th September 2018

Venue: TBC

Selection Test 2:

15th December 2018

Venue: TBC

Lift Location