Physics Enhancement Programme for Gifted Students (2016-2017)

Hong Kong University of Science and Technology (HKUST) and Hong Kong Baptist University (HKBU)

Phase III (38 Sessions)

Session	Date	Time	Contents	Venue
1	12 Apr 2017	10:00-13:00	**Laboratory Session 1** **H1: Specific heat and latent heat of vaporization**	Room 6140 HKUST
2		14:00-17:00	**Laboratory Session 2** **O2: Applications of interferometry**	Room 6315* HKUST
3	13 Apr 2017	10:00-13:00	**Laboratory Session 3** **E1: Thevenin circuits and AC circuits**	Room 6135 HKUST
4		14:00-17:00	**Laboratory Session 4** **E2: Diodes and transistors**	Room 6135 HKUST
5		18:00-21:00	Tutorial 1	Room 4475 HKUST
6	14 Apr 2017	10:00-13:00	**Laboratory Session 5** **O5: Semiconductor laser diodes (Part I)**	Room 6135 HKUST
7		14:00-17:00	**Laboratory Session 6** **O5: Semiconductor laser diodes (Part II)**	Room 6135 HKUST
8		18:00-21:00	Tutorial 2	Room 4475 HKUST
9	15 Apr 2017	10:00-13:00	Tutorial 3	Room 4503 HKUST
10		14:00-17:00	Tutorial 4	Room 4503 HKUST
11	17 Apr 2017	10:00-13:00	Tutorial 5	Room 4475 HKUST
12		14:00-17:00	Tutorial 6	Room 4475 HKUST
13		18:00-21:00	Tutorial 7 Overview of the APhO Experimental Papers	Room 4475 HKUST
14	18 Apr 2017	10:00-13:00	**Laboratory Session 7** **E5: Frequency analysis of electronic signals**	Room 6135 HKUST
15		14:00-17:00	**Laboratory Session 8** **MP3: Electrical conduction in solids**	Room 6315** HKUST
16		18:00-21:00	Tutorial 8	Room 4475 HKUST

17	19 Apr 2017	10:00-13:00	**Laboratory Session 9** **APhO experiment (Part I)**	Room 6315* HKUST
18		14:00-17:00	**Laboratory Session 10** **APhO experiment (Part II)**	Room 6315* HKUST
19	20 Apr 2017	10:00-13:00	**Laboratory Session 11** **MP4: Photoelectric effect**	Room 6315* HKUST
20		14:00-17:00	Tutorial 9	Room 4475 HKUST
21		18:00-21:00	Tutorial 10	Room 4475 HKUST
22	21 Apr 2017	10:00-13:00	Tutorial 11	Room 4472 HKUST
23		14:00-17:00	**Laboratory Session 12** **MP7: The Balmer series of Hydrogen**	Room 6315* HKUST
24		18:00-21:00	Tutorial 12	Room 4472 HKUST
25	22 Apr 2017	10:00-13:00	**Laboratory Session 13** **APhO experiment (Part III)**	Room 6315* HKUST
26		14:00-17:00	**Laboratory Session 14** **APhO experiment (Part IV)**	Room 6315* HKUST
27	24 Apr 2017	14:00-17:00	Tutorial 13	Room 4472 HKUST
28		18:00-21:00	Tutorial 14	Room 4472 HKUST
29	25 Apr 2017	14:00-17:00	Tutorial 15	Room 4475 HKUST
30		18:00-21:00	Tutorial 16	Room 4475 HKUST
31	26 Apr 2017	14:00-17:00	**Laboratory Session 15** **O6: Microwave reflection, scattering and diffraction**	Room 6135 HKUST
32		18:00-21:00	Tutorial 17	Room 4475 HKUST
33	27 Apr 2017	14:00-17:00	Tutorial 18	Room 4475 HKUST
34		18:00-21:00	Tutorial 19	Room 4475 HKUST

35	20 May 2017	14:00-17:00	**IPhO 2017 Selection Test 1 (Theory)**	Room 4334 HKUST
36	21 May 2017	14:00-17:00	**IPhO 2017 Selection Test 2 (Theory)**	Room 4334 HKUST
37	27 May 2017	10:00-13:00	**IPhO 2017 Selection Test 3 (Theory)**	Room 4334 HKUST
38		14:00-17:00	**IPhO 2017 Selection Test 4 (Experiment)**	Room 6137, 6140 HKUST

Last Update: 26 May 2017

PEP Phase III training rules

1. Phase III student who has attended 27 out of 38 sessions will have a completion for this phase. No certificate from HKAGE will be issued in this phase. All students in Phase 3 are expected to join the Hong Kong team to compete in the 18th Asian Physics Olympiad. They are expected to be present in all training sessions. Students who need to be absent should notify the instructor ahead of time. 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. For the latest information, please check at http://hkpho.phys.ust.hk.