Physics Enhancement Programme for Gifted Students (2016-2017)

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

Phase I (SCIS2011) (45 Sessions x 3 Hours)

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| Session | Date | Time | Topic / Instructor | Instructor / Tutors | Venue |
| Phase 1 in HKBU (Session 1-19) |
| 1 | Tue, 26 Jul 2016 | 9:30-12:30 | BriefingLecture: Mechanics I | Dr. M.H. ChanDr. H.L. Tam | LT1 |
| 2 | 14:00-17:00 | Tutorial: HKPhO 2016 Solutions | ➀ | ➃ | ➄ | ➅ |  | LMC509, OEW704, OEM904, OEM609  |
| 3 | Fri, 29 Jul 2016  | 9:30-12:30 | Lecture: Mechanics II | Dr. H.L. Tam | LT1 |
| 4 | 14:00-17:00 | Tutorial  | ➅ | ➁ | ➃ | ➄ |  | LMC509, OEW704, OEM904, OEM609 |
| 5 | Tue, 2 Aug 2016**(Cancelled, because of typhoon signal #8)** | 9:30-12:30 | Lecture: Mechanics III | Dr. H.L. Tam | LT1 |
| 6 | 14:00-17:00 | Tutorial  | ➀ | ➁ | ➃ | ➄ |  | LMC509, OEW704, OEM904, OEM609 |
| 7 | Fri, 5 Aug 2016 | 9:30-12:30 | Lecture: Mechanics IV | Dr. H.L. Tam | LT1\* |
| 8 | 14:00-17:00 | Tutorial | ➀ | ➃ | ➄ | ➅ |  | LMC509, OEW704, OEM904\*, OEM609\* |
| 9 | Tue, 9 Aug 2016 | 9:30-12:30 | Lecture: Mechanics V | Dr. Amy Ching | LT1\* |
| 10 | 14:00-17:00 | Tutorial | ➅ | ➂ | ➃ | ➄ |  | LMC509, OEW704, OEM904\*, OEM609\* |
| 11 | Fri, 12 Aug 2016 | 9:30-12:30 | Lecture: Waves / Mechanics VI | Dr. Amy Ching | LT1\* |
| 12 | 14:00-17:00 | Tutorial | ➅ | ➂ | ➃ | ➄ |  | LMC509, OEM904\*, OEM609\* LMC514 |
| 13 | Mon, 15 Aug 2016 | 9:30-12:30 | Lecture: Thermodynamics ILecture: Mechanics III | Dr. H.L. Lam | LT1\* |
| 14 | 14:00-17:00 | Tutorial | ➀ | ➁ | ➂ | ➃ | ➄ | LMC509, OEW704, OEM904\* LMC512 |
| 5 | Thur, 18 Aug 2016 | 9:30-12:30 | Lecture: Thermodynamics I | Dr. M.H. Chan | LT1\* |
| 6 | 14:00-17:00 | Tutorial | Tutors to be confirmed | OEM609\*, OEM904\*, OEW704\*, LMC512\* |
| 15 | Fri, 19 Aug 2016 | 9:30-12:30 | Lecture: Thermodynamics II | Dr. M.H. Chan | LT1\* |
| 16 | 14:00-17:00 | Tutorial | ➀ | ➁ | ➂ | ➃ | ➄ | OEW704, OEM602, OEM609\*, AAB508 |
| 17 | Tue, 23 Aug 2016 | 9:30-12:30 | Lecture: Thermodynamics III | Dr. M.H. Chan | LT1\* |
| 18 | 14:00-17:00 | Tutorial | ➀ | ➁ | ➂ | ➃ | ➄ | LMC509, OEW704, OEM904\*, OEM609\* |
| 19 | Fri, 26 Aug 2016 | 9:30-12:30 | Selection Test I (Mechanics and Thermodynamics) | Dr. M.H. Chan | AAB506, AAB502AAB504, ~~AAB611~~ |
| Optional | 12:30 | Solutions to Selection Test I | Dr. M.H. Chan | AAB611 |
| Phase I in HKUST (Sessions 20 to 45) |
| 20 | Sat, 3 Sep 2016 | 09:30-12:30 | Lecture: Electromagnetism I | Dr. T. W. Chen | LTK, HKUST |
| 21 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Apollo Wong, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 22 | Sat, 10 Sep 2016 | 09:30-12:30 | Lecture: Electromagnetism II | Dr. T. W. Chen | LTK, HKUST |
| 23 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Apollo Wong, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 24 | Sat, 17 Sep 2016 | 09:30-12:30 | Lecture: Electromagnetism III | Dr. T. W. Chen | LTK, HKUST |
| 25 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Apollo Wong, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 26 | Sat, 24 Sep 2016 | 09:30-12:30 | Lecture: Electromagnetism IV | Dr. T. W. Chen | 4619, HKUST |
| 27 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Apollo Wong, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| Optional | Sat, 1 Oct 2016 | 11:00-12:00 | Selection Test I Paper Checking (in HKBU) | Dr. M.H. Chan | OEE 802, Oen Hall Building (溫仁才大樓), HKBU |
| 28 | Sat, 8 Oct 2016 | 09:30-12:30 | Lecture: Electromagnetism V | Dr. T. W. Chen | LTK, HKUST |
| 29 | 14:00-17:00 | Lecture: Electromagnetism V (cont’d)(Tutorial session cancelled) | Dr. T. W. Chen | LTE, HKUST |
| 30 | Sat, 15 Oct 2016 | 09:30-12:30 | Lecture: Electromagnetism VI | Dr. Y. F. Ng | LTK, HKUST |
| 31 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Jacky Chau, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 32 | Sat, 22 Oct 2016 | 09:30-12:30 | Lecture: Optics I | Dr. T. P. Choy | LTK, HKUST |
| 33 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Jacky Chau, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 34 | Sat, 29 Oct 2016 | 09:30-12:30 | Lecture: Optics II | Dr. T. P. Choy | LTK, HKUST |
| 35 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Jacky Chau, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 36 | Sat, 5 Nov 2016 | 09:30-12:30 | Lecture: Optics III | Dr. T. P. Choy | LTK, HKUST |
| 37 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Jacky Chau, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 38 | Sat, 12 Nov 2016 | 09:30-12:30 | Lecture: Special Relativity | Dr. Y. F. Ng | LTK, HKUST |
| 39 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Wai Ting Tai, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 40 | Sat, 19 Nov 2016 | 09:30-12:30 | Lecture: Modern Physics / Quantum Mechanics | Dr. T. P. Choy | LTK, HKUST |
| 41 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Wai Ting Tai, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 42 | Sat, 26 Nov 2016 | 09:30-12:30 | Lecture: Astrophysics and Astronomy | Dr. T. P. Choy | LTK, HKUST |
| 43 | 14:00-17:00 | Selection Test II | Harry Tam, Tony Shing, Wai Ting Tai, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| 44 | Sat, 3 Dec 2016 | 09:30-12:30 | Lecture: Experimental Physics | Dr. Y. F. Ng | LTK, HKUST |
| 45 | 14:00-17:00 | Tutorial | Harry Tam, Tony Shing, Wai Ting Tai, Tony Fung | 2610, 2611, 2612A, 2612B, HKUST |
| Optional | Sat, 10 Dec 2016 | 11:00-12:00 | Selection Test II Paper Checking (in HKUST) | Tony Fung | Room 4469, HKUST |

# Venues

**HKBU**

LT1 and LT2: Lecture Theatre, Cha Chi Ming Science Tower, Ho Sin Hang Campus, Hong Kong Baptist University

AAB: Academic and Administration Building, Baptist University Road Campus

HKBU Tutors: ➀ Tai Wai Ting, ➁ Frankie Lam, ➂ Brian Yang, ➃ Wong Yat, ➄ Ye Jeff York, ➅ Yeung Yiu Hong

\* To be confirmed.

**HKUST**

The locations of Lecture Theatre K (LTK) and Lecture Theatre E (LTE) are circled on the map below. Room 4619 is accessed via Lifts 31-32.

The tutorials led by the 4 tutors are, in respective orders, Room 2610, Room 2611, Room 2612A, Room 2612B. The rooms are accessed via Lift 31 – 32.



**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 or HKBU 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%

1. Promotion to Phase 2: Top 30 students based on the total score of two selection tests.

(For the latest information, please check at <http://physics.hkbu.edu.hk/pep/pep2016-2017/> and <http://hkpho.phys.ust.hk>.)

Last Update: 24 November 2016