

Phase 2 – Laboratory Session (8 Sessions)

Session	Date	Time	Contents	Venue
1	12 Dec 2015	Lab 1. 9:30-12:30	Introduction to Laboratory Environment I and II	OEE802
2		Lab 2. 14:00-17:00	To provide experimental training opportunity of operation of common lab equipment, such as power supply, multimeter, CRO, function generator, circuit board, and breadboard. To provide training of experimental setup, wire connection, data measurements, and error analysis technique.	OEE802
3	19 Dec 2015	Lab 3. 9:30-12:30	Introduction to Fuel Cell The knowledge of Thermodynamics from Phase I Lectures will be applied in Lab 3.	OEE802
		14:00-17:00	Selection Test 1	LMC512
4	2 Jan 2016	9:30-12:30	Selection Test 2	AAB611
		14:00-17:00	Solutions to Selection Tests 1 and 2	AAB611
5	9 Jan 2016	9:30-12:30	Selection Test 3	AAB611
6		Lab 4. 14:00-17:00	Resonance and Wireless Energy Transfer To apply physics knowledge of electromagnetism from Phase I lecture.	OEE802
7	16 Jan 2016	9:30-12:30	Selection Test 4	
		Lab 5. 14:00-17:00	Characterization of Solar Cell I To provide experimental training to characterize solar cells, which apply the physics knowledge from Phase I lectures of Energy Conservation, Quantum Mechanics, and Optics.	OEE802
8	23 Jan 2016	Lab 6. 9:30-12:30	Characterization of Solar Cell II	OEE802
		14:00-17:00	Solutions to Selection Tests 3 and 4	
	18 Feb 2016	To be confirmed	Pan Pearl Competition (2 Papers, Organized by HKUST)	

PEP Phase II training rules:

1. Phase II students who have 70% or above attendance rate will receive a certificate from the HKAGE. For attendance and leave policy, please check [\[http://www.hkage.org.hk/files/students/important-information/Policies_and_Forms/20130220_Attendance_and_Leave_Policy.pdf \]](http://www.hkage.org.hk/files/students/important-information/Policies_and_Forms/20130220_Attendance_and_Leave_Policy.pdf)
2. Phase II 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 Baptist University 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 II students must attend all the selection tests to the APhO Team.
4. The assessment of phase II consists of
 - a. Selection Test 1
 - b. Selection Test 2
 - c. Selection Test 3
 - d. Selection Test 4
 - e. Pan Pearl Paper 1
 - f. Pan Pearl Paper 2All tests weight equally.
5. Promotion to Phase 3 (APhO Teams):
 - a. Team A: Top 8 students based on the total score of the 6 selection tests.
 - b. Team B (to be confirmed): The next top 8 students based on the total score of the 6 selection tests.