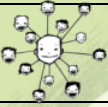








Basic Mechanics in Engineering (SCIS2004)

Introduction	This programme is designed for junior secondary students who are interested in physics. It is delivered through 24-hour lectures and 9-hour tutorials. During the tutorials, students will participate in interactive learning activities in groups, e.g. experiments and group discussions, etc. This programme provides students fundamental knowledge in mechanics with applications in engineering, such as Newton's laws of motion, concept of moment, and different kinds of machines, in an inquisitive approach through various experiments, educational software and teaching aids for physics. This programme is co-organized with Kwai Chung Methodist College.
Programme Type / Level	Physics Core Programme (Level 2) (Token-required)
Instructor(s)	Mr Ng Chun Keung (Panel Chairperson of Physics, Kwai Chung Methodist College)
Pre-requisite	No special prerequisites are needed
Target Participants 	<ul style="list-style-type: none">➤ S1 – S2 HKAGE student members in 2019-20 school year➤ Class size: 30
Medium of Instruction 	Cantonese with English handouts
Certificate 	E-Certificate will be awarded to participants who have: <ul style="list-style-type: none">❖ Attended at least 8 sessions; AND❖ Completed all the assignments with satisfactory performance
Intended Learning Outcomes 	Upon completion of the programme, participants should be able to: <ol style="list-style-type: none">1. describe the basic concepts of mechanics;2. apply Newton's laws of motion and concept of moment and equilibrium to practical problems;3. make use of levers, pulleys and gears, hydraulic press in engineering application.
Application Procedure 	<u>This programme is Programmes with No Screening</u> There are no screening questions, written test or other screening methods for this type of programmes. <ul style="list-style-type: none">● Student members can select up to 5 programmes from a list of selection. Applicants have to state the priority when submitting the application. (1st priority, 2nd priority, 3rd priority, etc). 1 token is required for each programme (For programme list, please refer to the issue 18 of Gifted Gateway (click here));● Application can only be submitted once. Once it is submitted, the priority and the programme selection cannot be changed;● If a student member removes a programme from the application before the application deadline by withdrawal, the choice priority will remain unchanged. (For example: A student has selected three programmes and removed the programme with the 1st priority from the application. The choices of 2nd and 3rd priority will remain unchanged with no promotion in priority.);● We will select the students based on the student's choice of priorities and a randomly generated selection by the computer system. If there is time clash between the applied programme and other programmes with offer, HKAGE will consider if the application will be accepted;● Priority will be given to student members who have not completed the applied programmes;● Student members should avoid applying programmes with time clash;● The decision of HKAGE on the result of selection should be final.

Application Deadline **23 Apr 2020, 12:00 n.n.**

Application Result
Release Date

29 Apr 2020

Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule



Session	Date	Time	Venue
1	4 Jul	9:30 a.m. – 12:30 p.m.	Kwai Chung Methodist College
2	4 Jul	2:00 p.m. – 5:00 p.m.	
3	11 Jul	9:30 a.m. – 12:30 p.m.	
4	11 Jul	2:00 p.m. – 5:00 p.m.	
5	18 Jul	9:30 a.m. – 12:30 p.m.	
6	18 Jul	2:00 p.m. – 5:00 p.m.	
7	27 Jul	9:30 a.m. – 12:30 p.m.	
8	27 Jul	2:00 p.m. – 5:00 p.m.	
9	29 Jul	9:30 a.m. – 12:30 p.m.	
10	29 Jul	2:00 p.m. – 5:00 p.m.	
11	31 Jul (Test)	9:30 a.m. – 12:30 p.m.	

(New schedule)

Session	Date	Time	Venue
1	4 Jul	2:00 p.m. – 5:00 p.m.	Kwai Chung Methodist College
2	11 Jul	2:00 p.m. – 5:00 p.m.	Kwai Chung Methodist College Online Lecture
3	27 Jul	9:30 a.m. – 12:30 p.m.	Kwai Chung Methodist College Online Lecture
4		2:00 p.m. – 5:00 p.m.	
5	29 Jul	9:30 a.m. – 12:30 p.m.	
6		2:00 p.m. – 5:00 p.m.	
7	31 Jul	9:30 a.m. – 12:30 p.m.	
8		2:00 p.m. – 5:00 p.m.	
9	3 Aug	9:30 a.m. – 12:30 p.m.	
10		2:00 p.m. – 5:00 p.m.	
11	5 Aug (Test)	9:30 a.m. – 12:30 p.m.	

Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press "1".