






Blended Learning: Introduction to Astrophysics

(Course Code: ALE/TPE/002)

Introduction	<p>Nowadays specialized online educational courses are readily available for learners who would like to take control of their learning pace in their own space and time. These courses are diverse, professionally recognized, quality assured and abundant in content.</p> <p>At ALED, we would like to foster the advanced learning of students who are interested in good quality self-learning opportunities, and at the same time still being able to enjoy the support of a face to face facilitator with regards to the subject.</p> <p>This programme aims to provide a taster learning opportunity for the age 15 to 17 students to find out more about self-learning through an Introduction to Astrophysics.</p>
Programme Type / Level	Course (Advanced) (Token required)
Course Provider(s) and/or Instructor(s)	<p>(1) <u>Online Course Provider (Free of Charge):</u> Edx Learners' Registration (Free of Charge) at: https://www.edx.org/</p> <p><u>Course page (Free of Charge) at:</u> https://www.edx.org/course/introduction-astrophysics-epflx-phys-209-enx By: École Polytechnique Fédérale de Lausanne, Switzerland (EPFL)</p> <p><u>Additional information:</u> Upon completion, students can pursue a Verified Certificate (with instructors' signatures and institutional logo) to highlight the knowledge and skills they gain for USD\$50.00</p> <p><u>Background:</u> EdX is a global non-profit, a trusted platform for education and learning. Founded by Harvard and MIT, EdX is home to more than 20 million learners, the majority of top-ranked universities in the world and industry-leading companies. (Quoted from official webpage)</p> <p>(2) <u>Facilitating Instructor:</u> Ms. Jenny Lee (S.D.O., ALED, The HKAGE)</p> <p><u>Background:</u></p> <ul style="list-style-type: none"> • MEng. (Hons) Aerospace Engineering, MPhil. Engineering Sciences, University of Southampton, U.K. • 6 years of bespoke Physics and Mathematics tutoring experience in UK GCE A-Levels, US and IDBP syllabuses. • 8 years of experience in educational enrichment and engineering outreach for senior school students and university students in the U.K. • Recipient of the Royal Aeronautical Society Centennial Scholarship (Individual Awards, U.K.) in November 2011.
Target Participants	 <ul style="list-style-type: none"> • S4 to S6 (from 2019/2020 school year) HKAGE full members • Capacity: 20 (Approximately 15 to 25 students)
Medium of Instruction	 <p>English only, with English online contents and review handouts</p>

<p>Course Arrangements</p>	<p>Students are required <u>to review and attempt</u> the designated weekly online content requirements in their own time first.</p> <p>Afterwards they attend an in-person facilitation to review specific topics relevant to that week's specified online content.</p>
<p>Certificate</p> 	<p>An E-certificate will be awarded to participants who:</p> <ul style="list-style-type: none"> Have attempted 6 lessons (out of a total of 7) online. Have attended 6 out of 8 review sessions in order to satisfy attendance requirement.
<p>Intended Learning Outcomes</p> 	<p>Upon completion of the programme, participants should have:</p> <ol style="list-style-type: none"> To demonstrate some understanding of introductory astrophysics knowledge. To gain an interest in following a self-learning mindset and the required self-discipline. To be able to identify, confirm, or re-evaluate their interests and preferences in the fields of astrophysics.
<p>Application Procedure</p> 	<p><u>This programme is “Programmes with No Screening”</u></p> <p>There are no screening questions, written test or other screening methods for this type of programmes.</p> <ul style="list-style-type: none"> Student members can select up to 5 programmes from a list of selection. Applicants must 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 16 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.
<p>Application Deadline</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>12:00pm 28 October 2019 (Monday)</p> </div> <div style="text-align: center;"> <p>Application Result Release Date</p> </div> <div style="text-align: center;"> <p>01 November 2019 (Friday)</p> </div> </div>



Schedule



Date and Time	Activity	Venue
10:00am to 11:30am		Classroom 26 Buddhist Kok Kwong Secondary School Sha Kok Estate, Shatin, N.T. 課室(26) 佛教覺光法師中學, 新界沙田沙角邨
Saturday 07/12/19	Review Session 1	
Saturday 14/12/19	Review Session 2	
Saturday 21/12/19	Review Session 3	
Saturday 28/12/19	Review Session 4	
Saturday 04/01/20	Review Session 5	
Saturday 11/01/20	Review Session 6	
Saturday 18/01/20	Review Session 7	
Saturday 01/02/20	Group Review and Evaluation	

Enquiries



For enquiries, please contact Advanced Learning Experiences Division (Ms. Jenny Lee) by phone at 3940 0101 (after language selection, press "6") or by email to ale@hkage.org.hk.