



A4AST003C

[\(Token- required\)](#)

Astronomy Course (Level IV)

Cosmos – An Investigative Study (Phase 3)

Instructor from Galaxy Scientific Group Limited



Application Deadline
2 Dec 2022 12:00 noon

Result Release
7 Dec 2022

Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. organise and lead research project on astronomy;
2. collect data for solar or lunar projects with professional equipment;
3. analyse astronomy photos to extract useful/meaningful scientific data;
4. present their projects with confidence and relevant presentation skills.



◆ Introduction

The course consists of 3 phases. During phase 3 (A4AST003C), the programme aims to assist students in collecting and handling astronomic data with different methods. Besides, the programme will help students develop skills in conducting research project on astronomy. Consultation sessions will be arranged during the project period so that students can ask for advice when they face any problems. At the end of phase 3, student will be able to present their outcome on astronomy.

◆ Target Participants

- S3 to S6 HKAGE student members only in 2022/23 school year
- Class size: 15

◆ Pre-requisite

Satisfactory performance in Phase 2 (A4AST002C)

◆ Medium of Instruction

Cantonese with English handouts

◆ Screening

Screening is based on the performance in Phase 2 (A4AST002C).

*The screening is designed to help the applicant understands the course level and the course content. Only students who can demonstrate motivation and the knowledge of astronomy in phase 2 can be enrolled in the programme.

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 5 sessions; and
- completed all the assignments with satisfactory performance

For the optional consultation sessions, students can attend the lesson optionally according to their own study needs.



◆ Schedule

Session	Date	Time	Contents	Venue
1	17 Dec (Sat)	2:00 p.m. – 5:00 p.m.	<ul style="list-style-type: none"> Related basic skills and knowledge on use of apparatus Astrophotography 1 	Room G03, HKAGE (TBC)
2	17 Dec (Sat)	6:00 p.m. – 9:00 p.m.	<ul style="list-style-type: none"> Astrophotography 2 Analysing astrophotos to extract scientific data 	Room 105, HKAGE
3a	19 Dec (Mon)	8:30 p.m. – 10:00 p.m.	15-min interview with each student	Zoom
3b	21 Dec (Wed)	8:30 p.m. – 10:00 p.m.	15-min interview with each student	Zoom
3c	23 Dec (Fri)	8:30 p.m. – 10:00 p.m.	15-min interview with each student	Zoom
01	7 Jan (Sat) Please refer to email	2:00 p.m. – 5:00 p.m. Please refer to email	Optional Practical – Data collection for solar projects/sungazing	Room G05, HKAGE Please refer to email
02	7 Jan (Sat) Please refer to email	6:00 p.m. – 9:00 p.m. Please refer to email	Optional Practical – Data collection for lunar projects/stargazing (outside HKAGE)	Outing (Gather & dismiss at HKAGE)
03	6 Feb (Mon)	8:30 p.m. – 10:00 p.m.	Optional Consultation (Data acquisition and analysis)	Zoom
04	8 Feb (Wed)	8:30 p.m. – 10:00 p.m.	Optional Consultation (Data acquisition and analysis)	Zoom
05	13 Feb (Mon)	8:30 p.m. – 10:00 p.m.	Optional Consultation (Preparation for interim presentation)	Zoom
06	15 Feb (Wed)	8:30 p.m. – 10:00 p.m.	Optional Consultation (Preparation for interim presentation)	Zoom
4	18 Feb (Sat)	2:00 p.m. – 5:00 p.m.	Interim Presentation	Room 203, HKAGE
07	13 Mar (Mon)	8:30 p.m. – 10:00 p.m.	Optional Consultation (further research)	Zoom
08	15 Mar (Wed)	8:30 p.m. – 10:00 p.m.	Optional Consultation (further research)	Zoom
09	20 Mar (Mon)	8:30 p.m. – 10:00 p.m.	Optional Consultation (final presentation and report)	Zoom
010	22 Mar (Wed)	8:30 p.m. – 10:00 p.m.	Optional Consultation (final presentation and report)	Zoom
5a	27 Mar (Mon)	8:30 p.m. – 10:00 p.m.	10-min interview with each student	Zoom
5b	29 Mar (Wed)	8:30 p.m. – 10:00 p.m.	10-min interview with each student	Zoom
6	15 Apr (Sat)	2:00 p.m. – 6:00 p.m.	<ul style="list-style-type: none"> Final Presentation Submission of written report 	HKAGE (TBC)

* For the optional consultation sessions, students can attend the lesson optionally according to their own study needs.

