Course number	U-LAS15 10012 LE56		
Course title (and course title in English)	Introduction to General Astronomy-E2 Introduction to General Astronomy-E2	Instructor's name, job title, and department of affiliation	Graduate School of Science Senior Lecturer,LEE, Shiu Hang
Group	Natural Sciences	Field(Classification)	Earth Science(Foundations)
Language of instruction	English	Old group	Group B
Number of credits	2		
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)
Year/semesters	2024 • First semester		
Days and periods	Wed.4	Target year	All students
Eligible students	For all majors		

[Overview and purpose of the course]

The quest to understand our origins, the origins of the universe is probably one of the oldest of human kind. In this course the latest advances in our knowledge of the universe are learned in plain language. The spatial and temporal scales of the universe and the key components (planets, stars, and galaxies, and their structures) are described in detail, and the basic techniques and logic employed in astronomical science are discussed.

[Course objectives]

To obtain an overview understanding of the universe currently obtained by humankind, and to learn the basics of astronomical observations and theories employed in discoveries about the cosmos. Through the above, students will cultivate in themselves an scientific attitude which can be applied in their daily life and future career.

[Course schedule and contents)]

The following topics will be introduced (but not necessarily in this order):
1. Overview of modern astronomy and astrophysics
2. Planets, moons and other objects in the Solar System
3. Formation of planetary systems
4. Observation of exo-planets
5. Our Sun
5. Stars
6. Stellar evolution (low-mass stars and massive stars)
7. Supernova explosions
8. Neutron stars and pulsars
9. Blackholes and general relativity
10. Active galaxies
11. Gamma-ray bursts

Each item above will be covered in 1 to 1.5 lectures, except stellar evolution which will be covered in 2 lectures. Including the feedback period, the course will be covered in 15 lectures in total.

[Course requirements]

None

[Evaluation methods and policy]

Evaluation based on:
1) Weekly online homework (due every Tuesday), and

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2) Class attendance (taken after registration period)

(Details are explained during class)

[Textbooks]

Instructed during class

[References, etc.]

（References, etc.）

Freedman, Geller and Kaufmann 『Universe』（W. H. Freeman）ISBN:1319042384（Not necessarily the 10th edition）

（Related URL）

https://sites.google.com/view/kus-astro101e(Lecture notes, homework and announcements can be found here)

[Study outside of class (preparation and review)]

Read the lecture notes, online materials and reference book

[Other information (office hours, etc.)]

Students are encouraged to ask questions during the lectures, and are welcome to contact the professor by email outside of class hours.