

COURSE DETAIL

ASTRONOMY FOR BEGINNERS

Country

Hong Kong

Host Institution

Hong Kong University of Science and Technology (HKUST)

Program(s)

Hong Kong Summer, HKUST

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

10

UCEAP Course Suffix

S

UCEAP Official Title

ASTRONOMY FOR BEGINNERS

UCEAP Transcript Title

ASTRONOMY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course in astronomy is designed for students with no physics background. Key topics include introduction to our Universe; observation in astronomy; origin of modern astronomy. Newton's law of motions; gravity; light, atoms and telescope. The Sun; stellar formation and evolution; white dwarfs, neutron stars and black holes. The Milky Way Galaxy; Normal galaxies, active galaxies and supermassive black holes. Foundation of modern cosmology; dark matter, dark energy and the fate of the Universe; and the beginning of time.

Language(s) of Instruction

English

Host Institution Course Number

PHYS1006

Host Institution Course Title

ASTRONOMY FOR BEGINNERS

Host Institution Course Details

Host Institution Campus

HKUST International Summer School

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2023-2024

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