

# 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 Campus**

HKUST International Summer School

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Physics

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