

COURSE DETAIL

EXOPLANETS AND ASTROBIOLOGY

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics Earth & Space Sciences

UCEAP Course Number

107

UCEAP Course Suffix**UCEAP Official Title**

EXOPLANETS AND ASTROBIOLOGY

UCEAP Transcript Title

EXOPLANETS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course presents an understanding of how the complexity of matter has evolved from its simplest forms during Big Bang to the rise of intelligent life that is capable of understanding its own place in this fabulous development. Topics include the formation of the elements during Big Bang, supernovae, and red giants; dust formation, stellar winds, and the re-circulation of cosmic material; the formation of the solar system; planets around other stars; the physical-chemical basis for life; the rise and development of life on the Earth; conditions for finding life beyond Earth; and the search for extraterrestrial intelligence.

Language(s) of Instruction

English

Host Institution Course Number

NFYK16008U

Host Institution Course Title

EXOPLANETS AND ASTROBIOLOGY

Host Institution Campus

Host Institution Faculty

Faculty of Science

Host Institution Degree

Master

Host Institution Department

Physics

[Print](#)