

COURSE DETAIL

STELLAR STRUCTURE AND EVOLUTION

Country

United Kingdom - England

Host Institution

King's College London

Program(s)

King's College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

127

UCEAP Course Suffix**UCEAP Official Title**

STELLAR STRUCTURE AND EVOLUTION

UCEAP Transcript Title

STELLAR STRUCT&EVOL

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Students will gain a thorough grounding in the life cycle of stars. Students learn to describe the stages of nucleosynthesis in stars; calculate the equations of hydrostatic equilibrium; use the equations of energy transport to calculate basic properties of stars; describe in detail the evolutionary stages different classes of stars are thought to go through; and describe in detail the end stages of the life cycle of a star and the different types of stellar remnants.

Language(s) of Instruction

English

Host Institution Course Number

5CCP9400

Host Institution Course Title

STELLAR STRUCTURE AND EVOLUTION

Host Institution Course Details

<https://www.kcl.ac.uk/abroad/module-options/electromagnetism-copy-1>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2025-2026

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