

# 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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