

COURSE DETAIL

STELLAR ASTROPHYSICS

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Graduate

UCEAP Subject Area(s)

Physics

UCEAP Course Number

206

UCEAP Course Suffix**UCEAP Official Title**

STELLAR ASTROPHYSICS

UCEAP Transcript Title

STELLAR ASTROPHYSIC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course comprehensively introduces the physics of stars. It explores the fundamental principles that govern the structure, evolution, and final fate of stars. The following topics are covered:

1. How to measure stellar parameters.
2. Stellar atmosphere and radiative processes.
3. Fundamental equations of stellar evolution.
4. Stellar interiors.
5. Stellar stabilities.
6. Formation of stars.
7. Overview of stellar evolution.
8. The end of stars.
9. Compact objects.

Language(s) of Instruction

English

Host Institution Course Number

AsPhys8024

Host Institution Course Title

STELLAR ASTROPHYSICS

Host Institution Course Details

https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=244%20D1190&c...

Host Institution Campus

Host Institution Faculty

College of Science

Host Institution Degree

Host Institution Department

Graduate Institute of Astrophysics

Course Last Reviewed

2025-2026

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