

COURSE DETAIL

THERMAL, STATISTICAL AND PARTICLE PHYSICS

Country

New Zealand

Host Institution

University of Canterbury

Program(s)

University of Canterbury

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

THERMAL, STATISTICAL AND PARTICLE PHYSICS

UCEAP Transcript Title

THRM STAT& PAR PHYS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines the study of the physical properties of matter. It integrates the study of thermal properties of matter in bulk (thermodynamics) with the molecular/atomic approach (statistical physics). The particle physics is further extended to subatomic scales with an introduction to the phenomenology of nuclear structure, radiation processes and the standard model of particle interactions.

Language(s) of Instruction

English

Host Institution Course Number

PHYS310

Host Institution Course Title

THERMAL, STATISTICAL AND PARTICLE PHYSICS

Host Institution Course Details

<https://www.canterbury.ac.nz/courseinfo/GetCourseDetails.aspx?course=PHYS310&oc...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

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