

# COURSE DETAIL

## SOLID STATE PHYSICS

**Country**

Japan

**Host Institution**

Tohoku University

**Program(s)**

Engineering and Science

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

111

**UCEAP Course Suffix****UCEAP Official Title**

SOLID STATE PHYSICS

**UCEAP Transcript Title**

SOLID STATE PHYSICS

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

This course examines the macroscopic properties of solids, such as electrical conductivity and heat capacity, by learning about the motion of periodic lattices and the behavior of electrons moving within the lattices.

## Language(s) of Instruction

English

## Host Institution Course Number

N/A

## Host Institution Course Title

MATERIAL SCIENCE (LECTURE ON BASIC MATERIAL SCIENCE): BASIC CONCEPTS IN SOLIDS

## Host Institution Course Details

[https://uceap.sharepoint.com/:b:/s/DocumentLibrary/IQCyS\\_Yxk6GzQaWW64imKa73AR3K...](https://uceap.sharepoint.com/:b:/s/DocumentLibrary/IQCyS_Yxk6GzQaWW64imKa73AR3K...)

## Host Institution Campus

Tohoku University

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

JYPE

## Course Last Reviewed

2025-2026

[Print](#)