

COURSE DETAIL

NUCLEAR 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

112

UCEAP Course Suffix**UCEAP Official Title**

NUCLEAR PHYSICS

UCEAP Transcript Title

NUCLEAR PHYSICS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

Nuclear physics is a field in physics which describes and understands quark many-body systems governed by strong interaction including hadrons and atomic nuclei. The mission of nuclear physics is to answer the basic questions on how the hadrons (nucleons) are created from quarks and how atomic nuclei are formed from hadrons in the history of the universe. The course introduces an overview of nuclear physics nowadays together with recent topics in cutting-edge researches.

Language(s) of Instruction

English

Host Institution Course Number

PHY815E

Host Institution Course Title

NUCLEAR PHYSICS

Host Institution Campus

Tohoku University

Host Institution Faculty**Host Institution Degree****Host Institution Department**

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