

# COURSE DETAIL

## FRONTIER LAB RESEARCH

**Country**

Japan

**Host Institution**

The University of Osaka

**Program(s)**

STEM Research in Osaka

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Physics Mechanical Engineering Materials Science Environmental Studies  
Engineering Electrical Engineering Earth & Space Sciences Computer  
Science Civil Engineering Chemistry Chemical Engineering Biological  
Sciences Bioengineering Biochemistry

**UCEAP Course Number**

186

**UCEAP Course Suffix**

C

**UCEAP Official Title**

FRONTIER LAB RESEARCH

**UCEAP Transcript Title**

LAB RESEARCH

**UCEAP Quarter Units**

8.50

**UCEAP Semester Units**

5.70

**Course Description**

This course emphasizes hands-on laboratory experience and teaches students research background, relevant theories, and basic laboratory techniques relevant to their field of study. Students formulate a research plan, implement it by conducting experiment-based research, and convey the results in scholarly presentations. Students submit a written research report at the end of the course.

**Language(s) of Instruction**

English

**Host Institution Course Number**

N/A

**Host Institution Course Title**

FRONTIER LAB D

**Host Institution Campus**

Osaka University

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

Engineering or Science

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