

## COURSE DETAIL

### EXPERIMENT OF GENERAL BIOLOGY

**Country**

China

**Host Institution**

Fudan University

**Program(s)**

Fudan University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

7

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

EXPERIMENT OF GENERAL BIOLOGY

**UCEAP Transcript Title**

BIOLOGY EXPERIMENT

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## **Course Description**

On the basis of expanding the scope of students' knowledge of modern biology, strengthen the cultivation of students' practical ability through various experimental operations with points and aspects. At the same time, to promote the integration of students towards interdisciplinary aspects, focusing on the cultivation of students' innovative thinking, innovative ability and practical ability.

General biology experiment is a basic and comprehensive general education experiment course of life science for non-life science majors in the whole school. The course basically involves the major fields of current life science research. Taking into account the actual situation of students in different disciplines and majors, the experimental content is set up into four major sections, namely the form and structure of various types of organisms, tissues and cells, physiology and biochemistry, genetics and molecular biology, etc. At the same time, it tries to start from real life, and gradually in-depth into the basic principles and basic methods of life science And the latest progress of life science. In the course of design, in view of the characteristics of non-life science students, especially liberal arts students, who rarely conducted experimental operations by themselves before, the experimental operation steps start from simple and easy to operate basic experimental methods, and guide them to complete all experimental operations independently or cooperatively step by step; At the same time, they are required to examine and think about some phenomena in life from the perspective of their professional knowledge, and stimulate students' innovative thinking; By choosing some biological phenomena in daily life and the more cutting-edge experimental content in the current life science research, stimulate students' learning initiative and enthusiasm.

## **Language(s) of Instruction**

Chinese

## **Host Institution Course Number**

BIOL110047

**Host Institution Course Title**

EXPERIMENT OF GENERAL BIOLOGY

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

School of Life Sciences

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