# COURSE DETAIL

| EVOLUTION: CONCEPTS AND APPLICATIONS |
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| **Country**<br>Germany |
| **Host Institution**<br>Free University of Berlin |
| **Program(s)**<br>Free University Berlin |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Biological Sciences Biochemistry |
| **UCEAP Course Number**<br>104 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>EVOLUTION: CONCEPTS AND APPLICATIONS |
| **UCEAP Transcript Title**<br>EVOLUTN CNCPTS&APP |
| **UCEAP Quarter Units**<br>5.50 |
| **UCEAP Semester Units**<br>3.70 |

**Course Description**
This course highlights the evolution of organisms and the transition of evolutionary concepts into many (bio)technical applications. The emergence of evolutionary theory from Charles Darwin and Alfred Russel Wallace is examined, as well as the influence of Cuvier, de Lamarck, Matthew, Lyell, Malthus, Spencer, Wagner, Owen, Gould, and Bates. Fundamental biological and biochemical insight is imparted and assessed in the context of the theory of evolution. To that end, four different approaches are presented: in situ, in vivo, in vitro, and in silico experiments.

**Language(s) of Instruction**
German

**Host Institution Course Number**
21692a/b

**Host Institution Course Title**
EVOLUTION: CONCEPTS AND APPLICATIONS

**Host Institution Campus**
BIOLOGIE, CHEMIE, PHARMAZIE

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Biologie

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