

# COURSE DETAIL

## BIOLOGICAL DIVERSITY

**Country**

South Africa

**Host Institution**

University of Cape Town

**Program(s)**

University of Cape Town

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

26

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

BIOLOGICAL DIVERSITY

**UCEAP Transcript Title**

BIOLOGICAL DIVERSITY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course illustrates the diversity and complexity of living organisms, from viruses to humans. Topics include evolution as a means of interpreting change with time; modern theories on the mechanisms of evolution; the origin of species, including humans; structure and functioning of the simplest microbial life forms; structure and life cycles of fungi; the evolution of aquatic and terrestrial plants; the diversity and adaptations of invertebrate animals; the development and adaptations of chordate groups; primate diversity and evolution; conservation and biodiversity issues in relation to South African biomes and global change. The course includes a strong practical component which further examines biodiversity and related concepts. DP requirements: Completion of at least 80% of deliverables (tests, practicals, tutorials, field trip report), including at least one class test, the practical test, and the field trip report; attendance of practicals and field trip; minimum average of 50% for practicals; minimum of 40% for the class record. Assessment: Coursework 40%. Theory test 1 (7%), theory test 2 (7%), practical test (10%), practicals (10%), field trip report (group mark, 6%). Examinations 60%. One 2-hour theory examination written in November counts 40% (subminimum of 40% applies); one 1.5-hour practical examination written in November counts 20%.

## Language(s) of Instruction

English

## Host Institution Course Number

BIO1004S

## Host Institution Course Title

BIOLOGICAL DIVERSITY

## Host Institution Campus

University of Cape Town

## Host Institution Faculty

Science

**Host Institution Degree**

**Host Institution Department**

Biological Sciences

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