

COURSE DETAIL

FUNDAMENTALS OF BEHAVIOR

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

158

UCEAP Course Suffix**UCEAP Official Title**

FUNDAMENTALS OF BEHAVIOR

UCEAP Transcript Title

FUND OF BEHAVIOR

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

Behavior is a unique trait in animals that allows them to respond rapidly to a changing environment. Most of the exciting, fast-moving phenomena associated with living organisms – fighting, flying, flocking, swimming, sensing, mating, communicating, spreading disease, and more – fall under the umbrella of behavior. As well as being important to understand in natural contexts, all of these traits and processes also have correlates or analogues in human behavior and society, adding further motivation to understanding them deeply and on a fundamental level. Ultimately, taking this perspective, the study of behavior is the study of rapid responses and interacting agents in all forms. This course introduces to the fundamental mechanisms and theories underlying behavioral processes and taught how to think like a behavioral scientist. The course discusses what behavior is and how it works across all possible scales, conveying the groundwork in the underlying structure of nervous systems and building through physiology, learning, communication, collective behavior, and social systems, up to responses to environmental stress. Drawing these lessons together, it discusses the role that behavioral science plays in understanding and managing animal populations and species in a rapidly changing world.

Language(s) of Instruction

English

Host Institution Course Number

BYU22209

Host Institution Course Title

FUNDAMENTALS OF BEHAVIOUR

Host Institution Course Details

<https://www.tcd.ie/media/tcd/science/pdfs/TR060-SF-Programme-Handbook-25-26.pdf>

Host Institution Campus

Host Institution Faculty

Faculty of Engineering, Mathematics and Science

Host Institution Degree

Host Institution Department

Biological & Biomedical Sciences

Course Last Reviewed

2025-2026

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