



DIPARTIMENTO di BIOLOGIA



UNIVERSITÀ  
DI PISA

**CORSO DI DOTTORATO IN BIOLOGIA**

**Ph.D. COURSES**

*Offerta didattica esclusiva*

**2024/2025**

***EXPERIMENTAL AND SAMPLING STUDY DESIGN***

**Course coordinator:** Fabio Bulleri (Università di Pisa)

**Schedule:** January 2025

**Duration:** 12 hours

**Description:** The course focuses on the design of studies and experiments in biology, a fundamental skill for young researchers in biological sciences

The course is hands-on based and students will be asked to write up and present their experiments

**Prerequisites:** None required.

**Preliminary program:** The hypothetico-deductive approach; Hypothesis testing; Correlative versus experimental studies; Procedures for selecting observational units; Common pitfalls and mistakes underpinning confounded studies; Retrospective and prospective studies; Cohort studies.