

Ecological Genomics

Core course for the Ecology Graduate Group Area of Emphasis
"Ecological Genomics and Genetics"

Graduate Course – ECL 243 (CRN 20991)

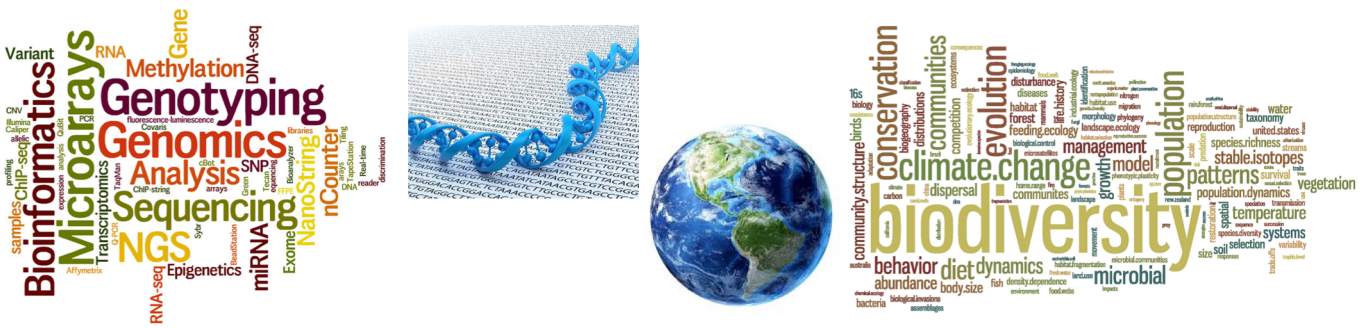
Winter Quarter, 2022

Monday, Wednesday, 3:40 – 5:00 PM (4 units)

Instructors: Andrew Whitehead, Jeffrey Ross-Ibarra

Enrollment capped at 16 students

The purpose of this course is to provide both a conceptual and methodological foundation for the new and rapidly emerging field of ecological genomics: "a scientific discipline that studies the structure and functioning of a genome with the aim of understanding the relationship between the organism and its biotic and abiotic environments".



- Introduction to genomics paradigms, tools, and analyses
- In-depth exploration of recent primary literature
- Hands-on training in data analysis