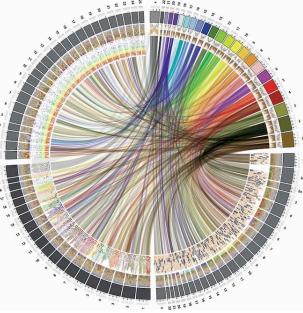


Simu ation



Models are the maps of modern biology.

Learn to read them.

This course is about the bigger picture. About making connections. About making models. *Molecules in cells. Individuals in ecosystems. Evolution of cancer cells. Long-term evolution.*

You name it. You model it. You map it.

Evolve your science skills by mapping your favorite part of biology.

In this course you will:

- Pick your own research topic and interdisciplinary group
- Hone your problem-solving skills in an active-learning environment
- Explore the predictive power and limits of biological modeling
- Learn to use an accessible but mathematically precise modeling tool
- Receive one-on-one help from an expert with 15+ years of modeling experience
- Learn how to write the grants needed to fund your scientific research
- Never take a single exam!

Prerequisite: Only an interest in interdisciplinary approaches to modeling in biology.

Open Enrollment: Undergrads and grad students from any field related to Biology, Medicine, Chemistry, Physics, Math, Stats, Comp Sci, and Engineering are welcome!

Questions? Email: loewe@wisc.edu

The Evolutionary Systems Biology Course

Genetics 677-Sec11 | Class #: 55619 (Genetics) | Cross-listed: 55810 (Medical Genetics)