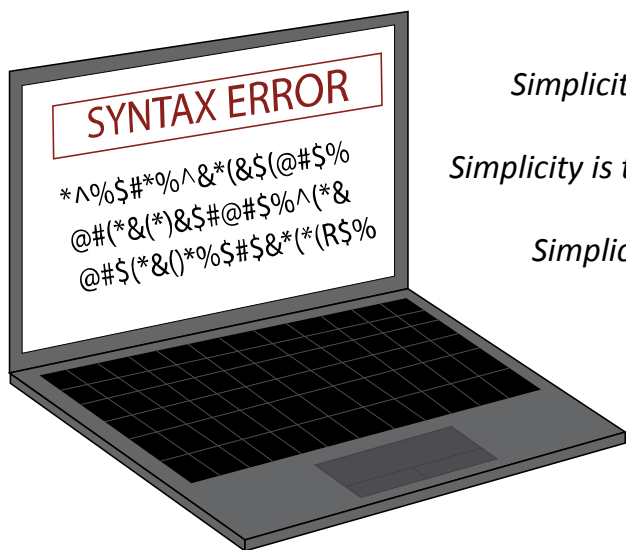


Confused by error messages?

What if *you* could help make them simpler?



Simplicity can't be added later

Simplicity is the ultimate sophistication

Simplicity is incredibly hard

**Spring
2016**

Foundations for Computational Biology An In-Depth Research Seminar

This **interdisciplinary** course will draw on skills from the **sciences, social sciences,** and **humanities** to help develop a user-friendly semantics and syntax for an easy-to-use programming language capable of representing genetics.

We will work through *diverse* topics that matter for programming and genetics in search of precise and pleasant semantics that unambiguously represent anything from abstract algebra to zoology. Centering on lively discussion, writing and innovation, this will not be your typical science course.

Prerequisites: None, except an interest in debating the meaning of words and concepts in depth to develop a user-friendly language. Everyone will be a beginner for at least some topics. No prior experience nor instructor consent needed (*please ignore instructor consent requirement in course catalogue*).

Enroll if you want to:

- Explore collaborative interdisciplinary collaboration
- Develop your interest in biology and programming diversity
- Use language creatively to simplify complex concepts
- Apply disciplinary training in a fresh setting to unusual problems
- Contribute by writing instead of memorizing for exams
- Learn where and why computers go wrong
- Leave your mark on the first general programming language designed by biologists for biologists.

