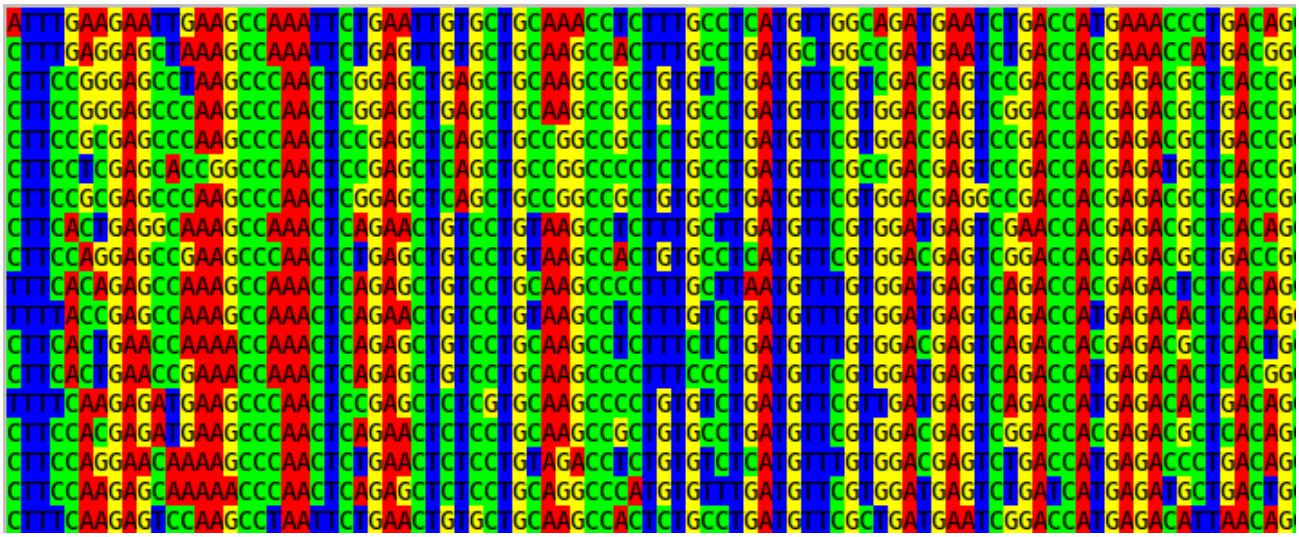
BIOC 3008/COMP 3308 Bioinformatics



How do we go about identifying, analyzing, and understanding the genetics of the living things around us? Bioinformatics is how we work with genetic information.

In this course we explore the tools and methods which are used in bioinformatics to understand biological data. We delve into the mathematical backgrounds of common algorithms, the typical methods of analyses and learn how we can draw meaningful conclusions from biological data. Genetic information is complex and can be hard to work with, luckily, we can use computers to help us.

Instructor: Thomas Bujaki, thomasbujaki@cmail.carleton.ca

Time:

Lecture: Fridays 11:35 a.m.-1:35 p.m., Office Hours: TBD

Workshop: Weekly, completed asynchronously

Bioinformatics is offered as a Blended Course: This course will consist of live online lectures during the Friday class time. These lectures will be recorded to accommodate any students experiencing challenges attending the live lectures. All assignments will be take-home assignments.

Bioinformatics Computer Workshop: The workshop component of this course consists of weekly exercises which students use their personal computers complete. Workshops will be asynchronous so students may complete them workbooks at a time convenient to them.

Textbooks: There is no required textbook for this course. Readings will be assigned from journal articles.

Prerequisites: BIOC 2200 / BIOL 2200