

BIOINFORMATICS - BIF

BIF 101L Introduction to Bioinformatics 1 Credit

This 1 credit course provides an introduction to the field of bioinformatics. Web sites, tools, video, discussions, and visiting speakers will help students learn about the major and current opportunities in terms of jobs and research.

Offered: fall.

BIF 400 Bioinformatics Senior Seminar 3 Credits

This course provides a culminating experience for bioinformatics majors. Students work on several projects where they learn about and use a variety of bioinformatics software as well as building their own tools and pipelines. Students will contribute to a bioinformatics research project about which they will write a scientific article. The writing component introduces skills such as reading primary literature, the development of writing skills appropriate to the field and information literacy techniques.

Restriction: must be junior or senior bioinformatics major.

Fulfills College Core: Advanced Writing-Intensive

Offered: spring of even-numbered years.

BIF 400L Bioinformatics Senior Seminar Lab 1 Credit

This course provides a culminating experience for bioinformatics majors. Students work on several projects where they learn about and use a variety of bioinformatics software as well as building their own tools and pipelines. Students will contribute to a bioinformatics research project about which they will write a scientific article. The writing component introduces skills such as reading primary literature, the development of writing skills appropriate to the field and information literacy techniques. Instruction is carried out through both lecture and lab components.

Restriction: must be junior or senior bioinformatics major.

Offered: spring of even-numbered years.

BIF 499 Bioinformatics Internship 3-4 Credits

Students are strongly encouraged to take part in a bioinformatics internship, which typically would take place in a research laboratory or biotechnology firm. Application and faculty advisor approval required. Note that this course cannot count as a bioinformatics elective for the major.