

Independent Study in Biomedical Data Science

Project templates available in bioinformatics, cheminformatics, systems biology and other areas.

(BIOMED 505: Special Topics in Biomedical Sciences,

“Ind Study Biomed Data Sci”)

<https://datascience.unm.edu/isbdscourse/>

Banner image % NIH NCATS.

Prerequisites

- Preliminary research plan instructor approval
- Project advisor (may be faculty, staff, or external)
- Coursework in biology, chemistry, computer science, etc. as needed

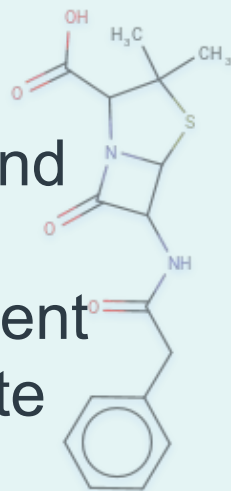
Project areas and ideas

- Bioinformatics
- Cheminformatics
- Genomics
- Drug discovery
- Clinical informatics
- Public health
- Machine learning
- Natural language processing
- Data visualization
- Web dbs and tools
- ...and many others!

Introduction

This independent study course involves designing, executing, and presenting a research project, reflecting the focus on independent research appropriate for graduate studies.

1. 1-3 credits, depending on project scope.
2. The student must submit a research plan subject to instructor approval prior to registration.
3. The student will execute the research project independently, with limited supervision.
4. Major deliverables:
 - a. Final Report
 - b. Virtual poster presentation
 - c. Participation via online forum



Course leadership:

Director: Christophe Lambert, PhD, Professor
 Instructor: Jeremy Yang, PhD, Senior Research Scientist
 Lead Advisor: Vincent Metzger, PhD, Post-doctoral fellow
 Course Administrator: Serena Henderson, Student Assistant

For project ideas, templates, examples, and help finding a project advisor, visit our course home page at <https://datascience.unm.edu/isbdscourse/> or contact jjyang@salud.unm.edu

