Independent Study in BIPG

The University of Toledo
BRIM Program in Bioinformatics & Proteomics/Genomics
BIPG6890 Independent Study in BIPG (CRN is instructor-specific)

Instructor:	Student's Faculty Mentor	**Class Location**:	TBD
Email:	TBD		
Office Hours:	TBD	**Class Day/Time**:	TBD
Office Location:	TBD	**Lab Location**:	TBD
Instructor Phone:	TBD		
Offered:	TBD	**Lab Day/Time**:	TBD
Course Website:	Blackboard Learn (if applicable)	**Credit Hours**:	1-4

CATALOG/COURSE DESCRIPTION

Intense study in an area of bioinformatics, proteomics and genomics (BPG). Course content, assignments, meeting times and grade requirements are arranged with a BPG faculty member. May be repeated for credit. This course is most often used to begin preliminary work on a thesis project, but before having taken the qualifying exam (which is required for BIPG6990 – Thesis in Bioinformatics).

STUDENT LEARNING OUTCOMES

- Develop research hypotheses
- Develop research protocols and methodology
- Develop relevant data needed to test hypotheses
- Analyze data and discuss results in written reports/oral presentations
- Analyze research results in context of present knowledge/literature in research topic area
- Identify and use methods essential to current research in biomedical sciences
- Describe the theories and principles of bioinformatics
- Evaluate selected literature for relevance to the research questions being investigated.

TEACHING METHODOLOGY

Student and mentor will agree on a program of study that will enable the student to achieve specific learning objectives in bioinformatics.

PREREQUISITES AND COREQUISITES

Must be a graduate student in the BIPG Program and must have approval of instructor/mentor to register for his/her section of the course.

TEXTS AND ANCILLARY MATERIALS

No textbooks required. Students will work with the materials provided by their mentor, a combination of one-on-one and laboratory group meetings, review of scientific literature, and independent work at the computer and/or laboratory bench.

TECHNOLOGY REQUIREMENTS

Ability to access key bioinformatics databases, as required by their specific project.

ACADEMIC POLICIES
Graduate Policies: http://www.utoledo.edu/policies/academic/graduate/

COURSE EXPECTATIONS
To be determined by course instructor/mentor and the student.

OVERVIEW OF COURSE GRADE ASSIGNMENT
Satisfactory/Unsatisfactory

UNIVERSITY POLICIES

Policy Statement on Non-Discrimination on the Basis of Disability (ADA)

The University is an equal opportunity educational institution. Please read The University's Policy Statement on Nondiscrimination on the Basis of Disability Americans with Disability Act Compliance.

Students can find this policy along with other university policies listed by audience on the University Policy webpage (http://www.utoledo.edu/policies/audience.html/#students).

https://www.utoledo.edu/title-ix/policies.html
https://www.utoledo.edu/policies/administration/diversity/pdfs/3364_50_01.pdf
https://www.utoledo.edu/policies/main_campus/student_life/pdfs/3364_30_04_Student_code_of_conduct.pdf

Academic Accommodations

(Include the following, verbatim; please refer to the face-to-face syllabus guidelines for more guidance/details.) The University of Toledo embraces the inclusion of students with disabilities. We are committed to ensuring equal opportunity and seamless access for full participation in all courses. For students who have an accommodations memo from Student Disability Services, I invite you to correspond with me as soon as possible so that we can communicate confidentially about implementing accommodations in this course. For students who have not established affiliation with Student Disability Services and are experiencing disability access barriers or are interested in a referral to healthcare resources for a potential disability or would like information regarding eligibility for academic accommodations, please contact the Student Disability Services Office (http://www.utoledo.edu/offices/student-disability-services/) by calling 419.530.4981 or sending an email to StudentDisability@utoledo.edu.

ACADEMIC AND SUPPORT SERVICES
Please follow this link to view a comprehensive list of Student Academic and Support Services (http://www.utoledo.edu/studentaffairs/departments.html) available to you as a student

SAFETY AND HEALTH SERVICES FOR UT STUDENTS
Please use the following link to view a comprehensive list Campus Health and Safety Services available to you as a student.