

## **Syllabus: C&S BIO 195 – Community or Corporate Internships in Computational and Systems Biology**

### **Course Description:**

Tutorial, 8 hours. Limited to juniors/seniors. Supervised internship under guidance of a faculty mentor. Further supervision to be provided by organization for which students are doing internship. Students may be required to meet on regular basis with instructor and provide periodic reports of their experience. Culminating report/project required. May be repeated for credit. A maximum of 4 units of 195 can be applied toward the major. Individual contract required. Pass/No Pass grading.

### **Schedule:**

There will be regular meetings with the faculty mentor on a tutorial basis.

### **Enrollment:**

Students must submit an approved 195 contract, along with their internship offer letter and a supervisor contact sheet (for on-site internship supervisor), in order to enroll.

### **Learning Outcomes:**

- Demonstrate critical thinking skills and familiarity with techniques needed to successfully pursue a project in computational and systems biology.
- Conceive and execute a project upon which the student engages current methods and theory.
- Communicate original scholarly findings to peers, both in oral and written form.
- Work productively with others as part of a research/project team.

### **Assignments/topics:**

- Topics and reading list are to be chosen in consultation with the individual faculty supervisor.
- At the completion of 195, students will submit to their faculty mentor and the CaSB Undergraduate Office tangible evidence of the work completed, as specified in the 195 contract. The tangible evidence should consist of a 2-3 page write-up summarizing work completed and results.

### **Grading:**

Grades are assigned by the student's faculty mentor, based on submission of the tangible evidence (2-3 page project write up) as specified in the 195 contract, and based on an evaluation form from the on-site internship supervisor. P/NP grading only.

### **TO SUBMIT YOUR TANGIBLE EVIDENCE TO THE CaSB Undergraduate Office:**

- **Submit your tangible evidence as a Word document (.doc/docx) or PDF (.pdf) document to CaSB via Message Center.** Tangible Evidence Due: 5:00PM, Friday of Finals Week

### **Tangible Evidence:**

- Include your name and UID on the first page.
- Turn in your tangible evidence to your faculty mentor (either electronic or hardcopy).
- After obtaining your faculty mentors signature on the form, submit the form along with the final tangible evidence to CaSB via Message Center.