

**CaSB Capstone Research Compact**

The Capstone experience is a senior-level sequence of two courses integrating the discipline via mathematical modeling, simulation, and active research and report writing. The experience culminates with completion of a senior thesis. For their research, students have been asked to identify a ladder faculty member who will agree to supervise their thesis. The goal is to find some part of a project for which they can be the lead person that creates a coherent and contained research story, even if it is contributing to some much larger goal or project by the faculty member/PI (usually it is). The individual part (i.e. the student contribution) should involve some aspect of math modeling, computational simulation, or data analysis, so that there is a quantitative/mathematical/computational piece. The research should also be connected to a biological question. In the end, students should look for a project for which they can explain and justify a goal, and then communicate what they did to achieve said goal. For the purposes of the Capstone classes, the research needs to be enough for a coherent story: a 10-minute presentation, a poster, and an approximately 10 pages or longer paper.

This compact is meant to be a tool to help students and their research mentors outline goals, expectations, etc. This is not a contract but a living document. This template provides talking points to establish a positive working relationship and ensure but it may be customized to suit your needs

**Faculty Mentor:****Direct mentor (if post-doc, grad student, etc.):****Mentee:**

1. What are the project goals? What are the expectations of both the mentor and mentee?
2. What are the communication expectations?
  - Group meetings: (frequency, time, location).....
  - Weekly meetings: (day(s), time, platform).....
3. What are the expectations for confidentiality/privacy and/or ethical conduct?
  - Discuss confidentiality of clinical data and scientific findings