**Syllabus:**

**BIOS 2698, 2699, 4698 & 4699: Undergraduate Research**

**Credit Hours:** Variable, 1 – 12.

**Course Instructors:** Possible supervisors of Undergraduate Research include but are not limited to: Vinayak Agarwal, Edward Balog, Sam Brown, Young-Hui Chang, Yury Chernoff, Jung Choi, Timithy Cope, Thomas DiChristina, Steve Diggle, Yuhong Fan, M.G. Finn, Greg Gibson, Michael Goodisman, Brian Hammer, Liang Han, Mark Hay, David Hu, Young Jang, Lin Jiang, King Jordan, Joel Kostka, Julia Kubanek, Joe Lachance, Kirill Lobachev, John McDonald, Patrick McGrath, Jenny McGuire, Alfred Merrill, Mindy Millard-Stafford, Joseph Montoya, Richard Nichols, Shuyi Nie, Annalise Paaby, Boris Prilutsky, William Ratcliff, Frank Rosenzweig, Gregory Sawicki, Ingeborg Schmidt-Krey, Minoru Shinohara, Jeffrey Skolnick, Terry Snell, Simon Sponberg, Frank Stewart, Alberto Stolfi, Francesca Storici, Jeffrey (Todd) Streelman, Matthew Torres, Fredrik Vannberg, Marc Weissburg, Joshua Weitz, Lewis Wheaton, Marvin Whiteley, Jeannette Yen, and Soojin Yi

**Course Description**

There is no official syllabus for any of these classes since each is a research experience course for undergraduates. Each offering will be unique to the student and particular project. Overall, students will engage in a creative research project at the discretion of the faculty member. All projects will be supervised by a faculty member. Interaction and products required will be appropriate to the credit hours enrolled, with 1 credit hour – 3 hours of research/time per week.

**Learning Outcomes**

* To design, conduct and/or analyze a research project.
* To reflect upon both the process and outcomes of the research project.

**Distinctions between Course Numbers**

* BIOS 2698: Undergraduate research under the guidance of a faculty member for first years and sophomores, or for students with no previous undergraduate-level laboratory experience. The course is non-billable, to be used when the student is receiving research **pay**, and provides for an **audit** grade.
* BIOS 2699: Undergraduate research under the guidance of a faculty member for first years and sophomores, or for students with no previous undergraduate-level laboratory experience. The course is to be used when the student is receiving **course credit** and provides for a **letter or pass/fail** grade.
* BIOS 4698: Undergraduate research under the guidance of a faculty member for juniors and seniors, or for students with at least one semester of undergraduate-level laboratory experience. The course is non-billable, to be used when the student is receiving research **pay**, and provides for an **audit** grade.
* BIOS 4699: Undergraduate research under the guidance of a faculty member for juniors and seniors, or for students with at least one semester of undergraduate-level laboratory experience. The course is to be used when the student is receiving **course credit** and provides for a **letter or pass/fail** grade.