ASTR Astronomy

**ASTR 5090G Selected Topics in Physics**
2-5 Credit Hours. 0-5 Lecture Hours. 0-6 Lab Hours.
A course allowing for investigation of selected topics in Astronomy; it will be taught on a one-time basis. Lecture only courses can be for two, three, or five credit hours. For laboratory courses, one credit hour will be given for every three hours spent working in lab. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

**Cross Listing(s):** ASTR 5090.

**ASTR 5890G Astronomy Research Experience**
1-4 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.
An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Permission of instructor is required.

**Cross Listing(s):** ASTR 5890, PHYS 5890, PHYS 5890G, PHYS 5890H, PHYS 5890S.