SCIENCE (SCIE)

* SCIE 010a and SCIE 011b, Perspectives on Biological Research  Sandy Chang
The goal of this two course series is to introduce Science, Technology, and Research Scholars 1 (STARS1) passionate about conducting research in the life sciences to the outstanding research opportunities available to them. Thirteen Yale faculty, well known as excellent undergraduate research mentors, will lecture on their own research and serve as potential future research mentors. Students emerge from this course with an appreciation for the diverse research conducted by Yale biologists. They also learn skills essential for any successful scientist, including how to (1) read the primary scientific literature on the research conducted by each faculty, (2) present this material to the class and, (3) write a grant proposal. Credit for SCIE 010 only on completion of SCIE 011; one course credit, one Sc credit, and guaranteed summer research funding is awarded for successful completion of the year’s work. Enrollment limited to first-year students. Preregistration required; see under First-Year Seminar Program. Prerequisite: Score of 5 on AP biology test or equivalent on IB biology exam.  WR, SC  ½ Course cr per term

* SCIE 030a and SCIE 031b, Current Topics in Science  Douglas Kankel
A series of modules in lecture and discussion format addressing scientific issues arising in current affairs. Topics are selected for their scientific interest and contemporary relevance, and may include global warming, human cloning, and the existence of extrasolar planets. Credit for SCIE 030 upon completion of SCIE 031; one course credit is awarded for successful completion of the year’s work. Enrollment limited to first-year students. Preregistration required; see under First-Year Seminar Program.  SC  ½ Course cr per term