PHYSICS AND PHILOSOPHY

Directors of undergraduate studies: John Harris (Physics), 311 WL-W, 432-3601, dus.physics@yale.edu; Kenneth Winkler (Philosophy), 406A C, 432-1679, kenneth.winkler@yale.edu

Prospective majors in Physics and Philosophy are advised to begin taking the prerequisites during their freshman year, and to take at least two of the required Philosophy courses by the end of their sophomore year. Prerequisites for this major are as follows: mathematics through calculus at the level of MATH 120; any introductory Physics lecture sequence numbered 170 or higher; PHYS 165L and 166L, or 205L and 206L; one introductory Philosophy course.

Beyond the prerequisites, students take fourteen term courses, including the senior requirement. Seven courses in Physics approved by the director of undergraduate studies and numbered 301 or higher are required, including PHYS 301 or equivalent and either PHYS 439 or 440. Six courses in Philosophy or in History of Science, Medicine, and Public Health are required, including PHIL 125 and 126, one course in logic above the introductory level, and a Philosophy seminar selected with the approval of the directors of undergraduate studies.

**Senior requirement** Seniors must complete one of the following: (1) PHYS 471 or 472 (independent project); (2) PHIL 490 or 491 (senior essay); (3) PHIL 480 (tutorial) in an appropriate subject; (4) an appropriate Philosophy seminar with the approval of the director of undergraduate studies in Philosophy.

**REQUIREMENTS OF THE MAJOR**

**Prerequisites** MATH 120; PHYS 170, 171, or 180, 181, or 200, 201, or 260, 261; PHYS 165L, 166L, or 205L, 206L; 1 intro Phil course

**Number of courses** 14 term courses beyond prereqs, incl senior req

**Distribution of courses** 7 Physics courses numbered 301 or higher approved by DUS; 6 courses in Phil or HSHM, incl 1 in logic above intro level and a Phil sem, as specified

**Specific courses required** PHYS 301 or equivalent; PHYS 439 or 440; PHIL 125, 126

**Senior requirement** 1 from PHYS 471 or 472, PHIL 490 or 491, PHIL 480 on appropriate topic, or approved Phil sem