The Mathematics Department at the University of Chicago hires many different types of course assistant, depending upon the level and nature of the course, the experience of the instructor, and other factors. The one with the most rigorous level of preparation is the College Fellow Program. College Fellows are second-year graduate students who do a full-year apprenticeship with one or more senior faculty, usually in upper-level undergraduate courses. Their training involves practice lectures, coaching, and much conversation. Newly added to the program, there has been a recent collaboration with the Chicago Center for Teaching, with videotaped microteaching sessions as well as quarterly one-day seminars on teaching. (Received September 16, 2016)