1035-F1-1331   **David C Haines*** (`dhaines@bates.edu`), 3 Andrews Road, Department of Mathematics, Bates College, Lewiston, ME 04240. *Learning to Be a Mathematician.*

Several decades ago Bates College began teaching "Introduction to Abstraction" as an important component to our mathematics major curriculum. Our objective is to provide students with the experience of thinking, talking, and writing as mathematicians and thus help them learn, early in their career, that mathematics is more than computing derivatives, integrals, and determinants.

Because we require this course of all mathematics majors, usually at the end of their first year, and because it meets in the same room five hours per day, five days per week, for five weeks, the students fondly refer to it as "Math Camp." Our students enroll in only this one course, so we have great flexibility in connecting them to the department as well as to the world of mathematics by inviting upper class majors to present their thesis work, showing weekly mathematics videos, hiring a major to serve as an assistant, and requiring students to attend departmental lectures and activities.

While the topics are conventional, the setting has been important to our success by allowing opportunities for concentrated interactions among students and faculty. (Received September 19, 2007)