

Meeting: 1003, Atlanta, Georgia, MAA CP I1, MAA Session on Initializing and Sustaining Undergraduate Research Projects and Programs

1003-I1-314 **David A. Brown*** (dabrown@ithaca.edu), Ithaca College, 402A Williams Hall, Dept of Math & CS, Ithaca, NY 14850. *Undergraduate Research Course Sequence at Ithaca College.*

In this talk, I will describe the key features of the program of undergraduate research in mathematics at Ithaca College and highlight the support provided by the administration. Beginning with the *Sophomore Seminar* and continuing with the *Junior Seminar*, students learn to investigate, conjecture, and present mathematics both orally and in writing. These seminar courses lead into the *Research in Mathematics* course in which students work in-depth on a research project with one of the two faculty members who conduct this course. These research projects grow naturally out of the *Junior Seminar* and provide the students with a full year of research work. I will discuss the growth and evolution of this program over the past decade and show how it has generated excitement among the students. Specific examples of projects will be used to illustrate how the sequencing works. (Received September 09, 2004)