

1056-S1-1998 **Beth M. Campbell Hetrick*** (bcampbel@gettysburg.edu), Gettysburg College, Department of Mathematics, 300 N. Washington Street, Gettysburg, PA 17325. *Teaching a Wavelets Course at a Liberal Arts College.*

In Fall 2009, the Mathematics Department at Gettysburg College offered a Special Topics course on wavelets and their applications, with a linear algebra course as a prerequisite. We will discuss this course, including its use of Mathematica and the student projects completed at the end of the semester. We will also mention one student's further exploration of wavelets in her senior capstone project. (Received September 22, 2009)