

Minicourse on  
**Variational Methods and Nonlinear PDE**

University of Utah  
May 28 through June 8, 2002

Supported by a National Science Foundation VIGRE grant, the Mathematics Department of the University of Utah will host a two-week minicourse on variational methods and nonlinear partial differential equations. The course is intended for graduate students with research interests in variational methods and differential equations. The course will give an introduction to some current research topics of the subjects (e.g., variational methods for whole space problems, Hamiltonian systems, variational methods for Monge-Ampere and k-Hessian equations). Also, participating students will be assigned current research papers, which will be discussed in afternoon seminars.

Speakers: David Hartenstine, University of Utah  
Jean Mawhin, Catholic University of Louvain, Belgium  
Klaus Schmitt, University of Utah

Some financial support is available to graduate students who are either US citizens, nationals, or permanent residents.

Applications should be submitted to Sarah Strong ([strong@math.utah.edu](mailto:strong@math.utah.edu), 801-581-8341, fax 801-581-4148).

For more information, please contact Klaus Schmitt ([schmitt@math.utah.edu](mailto:schmitt@math.utah.edu)) or Sarah Strong ([strong@math.utah.edu](mailto:strong@math.utah.edu)). Additional information as well as an online application can be found at:

<http://www.math.utah.edu/vigre/minicourses>