

1086-VE-2531 **Fabiana Cardetti, Gabriel Feinberg*** (gabriel.feinberg@gmail.com) and **Catherine Matta**. *A New REU Program in Mathematics Education Research*.

As part of the 2012 summer REU program, the University of Connecticut Mathematics Department introduced mathematics education as one of the research topics. Before the summer, we worked to determine the focus of the project, set summer-long goals, and outline the project activities. One of the highlights of the summer work was a mock educational study we conducted to explore the perceived learning difficulties in multivariable calculus classes.

In this session, we'll share some of the challenges we faced in developing a new REU program, and how our plans evolved over the summer. we'll also showcase the materials we created for our study and the results we collected. (Received September 25, 2012)