

1106-G5-1421      **Catherine Bénéteau, Zdeňka Guadarrama, Jill E Guerra\*** (jill.guerra@uafs.edu) and  
**Laurie Lenz.** *Effective implementations of POGIL in the Calculus I classroom.*

Process Oriented Guided Inquiry Learning (POGIL) is an instructional strategy that guides students toward the discovery of a particular concept by working in self-managed teams of three or four on specially designed POGIL activities. A POGIL classroom focuses both on the achievement of content knowledge and the development of process skills such as effective communication of mathematical arguments, information processing, critical thinking, teamwork, and metacognition. In this talk we will give examples of POGIL activities used in Calculus I and report data on the effectiveness of POGIL implementation at a variety of institutions. (Received September 12, 2014)