

1135-D5-1332 **Mark L. Daniels*** (mdaniels@math.utexas.edu), Professor Mark Daniels, 2515 Speedway - Stop C1200, Austin, TX 78717. *An IBL Freshman Research Initiative Course: IBL FRI - Symmetry*. Preliminary report.

We will discuss the creation and implementation of a special IBL discrete/intro to proof course for 2nd semester freshman. Students in this IBL course learn many of the concepts of a discrete mathematics using the topic of symmetry as a theme. In addition, students are expected to choose a research topic and learn the skills of researching that topic in mathematics journals by writing a summary report of findings in a professional manner. (Received September 21, 2017)