

1086-D1-743      **Mark L. Daniels\*** ([mdaniels@math.utexas.edu](mailto:mdaniels@math.utexas.edu)), Department of Mathematics, 2515 Speedway Stop C1200, Austin, TX 78712. *Doing, Presenting, Speaking, and Writing Mathematics in an IBL Freshman Research Initiative (FRI) Mathematics Class*. Preliminary report.

Information about a course created to introduce STEM major freshman to the foundations of logical thinking and justification and designed to entice freshman into taking more mathematics courses will be given. Student attitudes and beliefs about the relevance of the course will also be explored.

The course named "From Numbers to Chaos" is taught using IBL methods where student presentation and communication of mathematics is essential. In addition, there is a large and sustained writing component to the course that teaches students how to conduct rudimentary research in mathematics and to write about this experience in a professional way. (Received September 11, 2012)