

1135-VK-3009 **Shannon R Lockard*** (slockard@bridgew.edu). *Finding the Right Angle: First Experiences in Teaching Geometry.*

Foundations of Geometry is an upper level course at Bridgewater State University. Taken primarily by future elementary and secondary educators, the course covers a variety of advanced topics in geometry. In Fall 2017 I took on the task of teaching this course for the first time. While this is not unusual, the fact that I haven't thought about geometry in over a decade made it a somewhat daunting task. In addition to tackling this new course, I decided to use an Inquiry Based Learning (IBL) pedagogy, only the second time I have used this teaching method in a course.

In this talk I will share my newbie experiences teaching geometry and my almost-newbie teaching experiences in IBL: the good, the bad, and the ugly. From deciding on a textbook and thinking about how to best present the material for the audience, to creating presentation rubrics and uncovering student misconceptions. I'll share what worked for me and what I learned not to do anymore. (Received September 26, 2017)