

1067-E1-2410 **Joy Moore*** (moorej12@xavier.edu), 3800 Victory Parkway, 112 Hinkle Hall, Mathematics Department, Cincinnati, OH 45207-4441. *The Impact of the Moore Method on Secondary Mathematics Education Majors*. Preliminary report.

A modified Moore Method is pedagogically employed in a real analysis course that is a program requirement for secondary mathematics education majors. This qualitative study investigates the impact of that method on the learning experiences for secondary mathematics education majors. The study includes interviews with students, class observations, and reflective journal notes from the instructor. Research questions include: What effect has the modified Moore method of instruction had on student learning? Is student learning impacted beyond the real analysis course? For secondary mathematics education majors, data suggests that the method provides the types of learning experiences that reinforce the types of learning opportunities we want our teachers to provide for their students. Data also suggests that the method aligns with NCTM recommendations for problem solving, reasoning and proof, and communication. The implication of this result is that secondary math education majors in particular need to experience the Moore Method in their undergraduate mathematics education. (Received September 23, 2010)