

1125-97-2383 **Natasha M. Speer*** (speer@math.umaine.edu). *Using research on student learning and teachers' knowledge to design professional development for novice college mathematics instructors.*

The design of many professional development programs for novice college mathematics instructors is or could be better informed by education research. This is one of four “research sampler” talks where the presenters will discuss research relevant to graduate student professional development. The presentation will include discussion of how what we know about how people learn mathematics can be a focus in graduate student professional development. In addition, the presentation will address how activities and assignments can be designed to support graduate students’ development of their mathematical knowledge for teaching. (Received September 20, 2016)