

1106-K5-2614 **John C Mayer*** (jcmayer@uab.edu). *Aligning Pre-Service Secondary Mathematics Curriculum at UAB with CCSS and MET-II*. Preliminary report.

Motivated by the recommendations of MET II, and by the CCSS Standards for Mathematical Practice, the Mathematics Department at UAB is in the process of revising its mathematics curriculum in order to permit prospective high school teachers to experience in their courses the process and content standards embodied in CCSS-M. Since our program is too small to offer courses in the mathematics major expressly for prospective teachers, we are on course to adopt the path of modifying certain existing courses to serve multiple purposes. The courses being modified, and the non-strict sequence in which they should be taken, are: Geometry, Modeling, Modern Algebra, Advanced Calculus I-II, and Research Methods (new). We have long taught Advanced Calculus as an inquiry-based course and Modeling as a project-based course. The changes will make the other three courses inquiry-based as well and align the curriculum, particularly in Geometry and Modern Algebra, more with “school mathematics from an advanced viewpoint.” Since UAB has just become a UTeach replicate site (UABTeach), partnering with the three largest local school districts, we will be studying in some detail the impact of these changes on pre-service teachers and their teaching over the next five years. (Received September 16, 2014)