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Langley M Payton* (lpayton3512@flpoly.org) and **Thanos Gentimis**
(agentimis@flpoly.org). *Improving Pedagogy with Modules in Calculus I*. Preliminary report.

As a STEM University, it is important for Florida Polytechnic to ensure student success in basic undergraduate math courses, particularly in Calculus I. We assessed the effectiveness of two types of Calculus I courses: (1) a “traditional” course and (2) a modified hybrid-online curriculum with modules. This analysis looks at the techniques involved in teaching this modified class and further discusses its benefits for students. Student data has been collected and analyzed over a period of a few semesters. Student pre-calculus experience, withdrawal rates, final Calculus grades, among other variables, are assessed in comparison with those from traditional Calculus classes. Results will be provided to the university to help better prepare the students for higher level math courses. (Received January 11, 2016)