

1135-D5-1605      **Michael G. Dabkowski\*** (mdabkowsk@ltu.edu), 11403 Waverly, Plymouth, MI 48170. *Course Based Research Experience at the Sophomore Level*. Preliminary report.

Through a college wide effort to bring research into the undergraduate curriculum, the math department at Lawrence Tech is transitioning sophomore level mathematics courses into research-based experiences. Working in the genesis of this process to develop relevant projects germane to subject matter and respecting the course learning objects has proved challenging. In its current form, students are grouped into teams of four and are given three pages of basic theory of a more advanced topic along a "further direction" topic which they will present to the entire class. We will discuss the particular projects used in these courses and show clips of student presentations. (Received September 23, 2017)