

1116-K1-2273 **Ethan Berkove*** (berkovee@lafayette.edu). *A Modeling Capstone Course.*

Case Studies in Mathematical Modeling is an upper level course offered at Lafayette College. It is a capstone course for the joint math-economics major, but open to all majors, and many math majors elect to take it. Students in Case Studies work in groups on three projects during the semester, then report on their findings both orally and in writing. In this talk I will address the structure and goals of the Case Studies course, teaching tips, lessons learned, and student reactions. I will also describe some community-based learning projects that have been successfully incorporated into the class. (Received September 22, 2015)