1116-E5-992 **Ryan Gantner*** (rgantner@sjfc.edu). *Probability projects with multiple motives.*

At many institutions, the size of the student population limits the diversity of course offerings. For such institutions, one often finds that each course must contribute to multiple programmatic learning goals. In this presentation, we'll describe a course which has the three-pronged charge of enhancing theoretical understanding and computational fluency in probability, establishing a foundation in computer programming, and instilling broad reaching paradigms for mathematical modeling. Because the college does not send many students to graduate schools upon graduation, particular attention is paid to aspects that are desirable to their future employers. In an attempt to bring together all of these facets of the course, a collection of projects were developed. Here, we'll examine one of these projects in detail to see how well it allows the students to achieve the various goals of the course. (Received September 15, 2015)