

1086-G5-2168 **A Bathi Kasturiarachi*** (akasturi@kent.edu), Department of Mathematics, Kent State University at Stark, North Canton, OH 44720. *Creating a Blended Linear Algebra Course.*

A blended course has fewer class meetings and is augmented with online learning. Such courses are attractive from both learning and administrative standpoints. In the presentation, we will outline our re-design of Linear Algebra. Blended courses take into consideration students' needs, learning styles, and schedules and incorporate administrative concerns such as classroom space and technology, to design an optimal learning environment. Each course has e-notes available on the web with selected topics on podcasts. These notes have a variety of interesting examples of moderate difficulty. Lab modules are designed using Maple. We will explain the advantages of blended courses and share preliminary results from such course offerings. (Received September 24, 2012)