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Christopher Weld (christopher.weld@usma.edu) and **Gerald Kobylski**
(gerald.kobylski@usma.edu). *They Can Do It: Applications of a Hybrid Classroom Model in a
Traditional Classroom.*

Doing more with less is a topic of discussion among many institutions trying to increase efficiencies and sustain output despite funding cutbacks. These ideas extend to academia and motivate alternative teaching models that effectively flip the classroom, placing more emphasis on student learning out of the classroom. This year, we provided students with the resources to learn basic matrix algebra concepts on their own. Without prior experience developing and implementing hybrid courses, we were able to build, execute and assess this student-centered lesson. In this talk, we will share the tools used to create and assess an out-of-class experience. In particular, we will show how pencasts and existing online videos can be compiled to engage students, allowing them to take ownership of their learning. Quantitative and qualitative assessment techniques include the use of web analytics services and surveys. We will also discuss modifications and plans for future implementation of this limited extent hybrid model. (Received September 22, 2011)