

1096-VR-1204 **Susan E Thompson*** (sthompson@otterbein.edu), Mathematical Sciences Department,
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Mathematics.*

Can the use of an adaptive learning system in delivering intermediate algebra to university students successfully prepare them for their university-wide mathematics requirement? Our small, private, comprehensive institution has used ALEKS [Assessment and LEarning in Knowledge Spaces], an adaptive learning system that individualizes assessment and learning, as an option for entering students to improve mathematics placement in the summer prior to matriculation for the past seven years, with good success. Unfortunately, not all incoming students are able to use or complete this option due to summer work and family commitments, internet access problems, or instructional support issues. In an effort to offer this flexible, individualized instruction with technological and instructional support during the academic year, we piloted use of ALEKS as the teaching/learning tool in a flexible semester option. Information presented at this session will include a description of the model employed, results from 2012-13, and preliminary success rates in subsequent courses. (Received September 13, 2013)