

1135-VK-1135      **Dywayne A Nicely\*** ([nicely@ohio.edu](mailto:nicely@ohio.edu)), Ohio University-Chillicothe, 101 University Drive,  
Chillicothe, OH 45601. *Different Deliveries of Discrete.*

Discrete Mathematics is one of the highest-level mathematics courses that we offer at Ohio University-Chillicothe and it also serves as an introductory proof-writing course. Our students, like others, have difficulty transitioning to an advanced mathematics course such as this. In particular, I see my students struggle with the abstract and logical thought processes that are required to successfully write proofs. In an attempt to help students with this transition, I have experimented with different delivery methods and types of assessment in our discrete mathematics course. This presentation gives details on the three delivery methods (Traditional Lecture, the Ohio University Learning Network (OULN), and a Modified Moore approach) and means of assessing the students accompanied by student-grade analysis. The Traditional Lecture groups are composed of students from the fall semester of 2013 and the spring semester of 2015. In the OULN and Modified Moore groups are students from the fall semester of 2016 and spring semester of 2017, respectively. Lastly student comments on the strengths and weaknesses of each delivery method will be provided along with instructor feelings on the pros and cons of the distinct delivery methods. (Received September 19, 2017)