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Ali S Shaqlaih* (ali.shaqlaih@untDallas.edu), 7400 University Hills Blvd, University of North Texas at Dallas, Department of Mathematics, Dallas, TX 75241. *Teaching Approaches in Discrete Mathematics for Pre-service Teachers.*

Discrete Mathematics is a fundamental course in teachers' preparation programs for both Math 4-8 and Math 7-12 tracks. However, topics introduced in such course vary by institution. In this talk, I will present how this course was taught, in different semesters; by different approaches including the hybrid inquiry based learning approach. Course content and class activities along with the assessment methods in each approach will be discussed. A quantitative analysis of the students' assessment and a qualitative analysis of Students' perceptions will be presented. (Received September 20, 2016)