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Ju Zhou* (zhou@kutztown.edu) and **Yun Lu** (lu@kutztown.edu). *Assessing online teaching versus traditional face-to-face teaching across multiple sections of service mathematics courses*. Preliminary report.

In recent years, online teaching is more and more popular. But it is still controversial about whether mathematics can be successfully delivered through online teaching. This presentation is about a project designed to assess the effectiveness of online teaching versus the traditional face-to-face teaching across multiple sections of service mathematics courses. The traditional face-to-face teaching is largely lecture-based, while the online teaching strategy uses video, lecture notes, discussion board, etc. The Projector Directors will conduct the assessment in two sections (one online and one in regular class) of MAT 017 Introduction to Mathematics course. For each course, the data about student attitude towards mathematics, student attitude toward self-performance, and student mathematics efficacy about the course subject will be collected before the course began and near the end of the course. The Projector Directors will compare the two sets of data among one section to determine their improvement in the course subject, and compare the data between two sections to identify the effectiveness of online teaching versus the traditional face-to-face teaching. (Received September 19, 2016)