1135-B5-2502   **Deborah Hughes Hallett*** (`dhh@math.arizona.edu`), Department of Mathematics, University of Arizona, Tucson, AZ 85721. *Prerequisites: Past and Future.* Preliminary report.

Many colleges and universities are concerned about student attrition, often reflected in the high failure rates in remedial mathematics courses. One approach that shows promise is co-remediation, or just-in-time teaching that allows students who do not place into a course to take it by studying prerequisite material concurrently. In this talk we will talk about what can makes such an approach successful and what the dangers are. With examples from several courses (calculus, precalculus, algebra, statistics), we will look at principles and questions to consider in designing co-remediation. How should background material be designed? Where and when should it be introduced? What pedagogy is most effective? How much emphasis should be placed on testing? On study skills? We will also talk about how a department can manage and evaluate co-remediation efforts. (Received September 26, 2017)