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Challenges and Benefits of Tight Coordination of Calculus 1 at OSU.

Every year more than 4000 students take Calculus 1 at OSU. Coordination was introduced in order to provide a degree of uniformity to this operation that involves more than 40 Lecturers and Recitation Instructors. Several pilots have been introduced (Flip&Flexible, Active Learning, Ximera- using OSU's open-source text book) and common assessments, together with surveys, provide rich source of data for measurement and comparison of effectiveness of different styles of teaching and setups. Common assessments include in-class quizzes, written homework, online homework, and common exams that are group- graded using the common grading guide. Recitation worksheets have been developed and used in all sections for students to work on either in groups or individually during the Recitation class and to complete at home. Email is the main mode of communication between the Coordinator, Lecturers and Recitation Instructors. In addition, biweekly Lecturers - Coordinator meetings are held where important issues are discussed and decisions made. Most Recitation Instructors are first year graduate students with no prior teaching experience, and this tightly coordinated, structured class serves as valuable first teaching experience. (Received September 20, 2016)