

1154-VI-2562

Chamila K. Ranaweera* (chamila.ranaweera@colorado.edu), Boulder, CO 80302. *Improving students' knowledge retention through daily quizzes in pre-calculus class: An experimental approach*. Preliminary report.

Students who are in the pre-calculus class are struggling to manage their time for the continuous study process. Often, they wait until the last minute for exam preparation. This leads to the outcome of taking classes only for the grade not to master the skills that they need to move forward into other calculus classes. Daily quizzes are designed to help the students to self-evaluate their study habits mathematical skills and improve their knowledge retention by studying, reviewing their work more regular manner. First five minutes of the class is spent taking short quizzes from the previous day's materials. If they realize the quiz questions are very hard and need more explanation on the material more time will be spent on either working as groups to answer the quiz or instructor clarification. This process helps to develop a more active inclusive classroom environment, peer learning opportunities while improving self -motivation and self-awareness learning process. (Received September 17, 2019)