

Abstract Submitted  
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**Physics of Health Sciences** MILLARD BAUBLITZ, BENNETT GOLDBERG, Boston University — A one-semester algebra-based physics course is being offered to Boston University students whose major fields of study are in allied health sciences: physical therapy, athletic training, and speech, language, and hearing sciences. The classroom instruction incorporates high-engagement learning techniques including worksheets, student response devices, small group discussions, and physics demonstrations instead of traditional lectures. The use of pre-session exercises and quizzes has been implemented. The course also requires weekly laboratory experiments in mechanics or electricity. We are using standard pre- and post-course concept inventories to compare this one-semester introductory physics course to ten years of pre- and post-course data collected on students in the same majors but who completed a two-semester course.

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