

Abstract Submitted
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Using Assessment in Fluid Mechanics Courses to Improve Student Learning and Motivation JAY MARTIN, University of Wisconsin-Madison — Building on the peer-instruction method of teaching documented by Eric Mazur, assessment-integrated instruction has affected student learning in basic fluid mechanics. This presentation will include description of the use in-class assessment systems for immediate assessment and feedback on student learning. The discussion will include description of assessment-integrated instruction in engineering, and the impact on study habits of the students, learning methods, and conceptual framework development. In addition, the presentation will include a description of the role of concept inventories, used to measure conceptual understanding, in teaching and learning in fluid mechanics.

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