

Abstract Submitted
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Teaching Sustainability in Introductory Physics DAVID COFFEY,
Warren Wilson College — Guiding students to a better understanding of sustainability is a key part of a modern undergraduate education. Since 2014, Warren Wilson College has incorporated a sustainability component into our introductory physics courses. Students perform energy audits and abatement plans for a business or building. In the process, students strengthen their competency with basic physics concepts including energy, power, units, and conservation of energy but also gain an appreciation of the complexity of sustainability as well as the need for quantitative understanding. These courses are taught to mostly undergraduate science majors. The challenges and opportunities of incorporating such a broad and personalized educational component will be discussed.

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