

Assessing Foreign Engineering Graduate Students' Understanding of Sustainable Development - A Survey

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Abstract

The MEng program at the University of Windsor is a course-based program designed for working professionals or recent graduates who want to increase their knowledge in multiple, advanced topics. In recent years, this program is getting popularity among people who graduated from foreign engineering schools. In an attempt to understand how majority of students in this program know about sustainable development, there is a survey designed using the following the questions:

- (1) How much do foreign graduate students know about sustainable development?
- (2) What could be the best approach to educating foreign graduate students for sustainable development?

These questions were modified from a study done by Azapagic et.al. (2005). Answers to these questions will help instructors to develop courses and/ modules in courses that could help to stimulate students' interest in sustainable development during their studies and to ensure their commitment to practicing sustainable engineering later as professionals.

Keywords

Sustainable development, teaching, engineering education

Reference

Asisa Azapagic, Slobodan Perdan and David Shallcross, How much do engineering students know about sustainable development? The findings of an international survey and possible implications for the engineering curriculum, European Journal of Engineering Education, Vol. 30, No. 1, March 2005, 1–19.

Biography / Biographies

Fouzia Baki is an Assistant Professor in Industrial Engineering in the Department of Mechanical, Automotive, and Materials Engineering at the University of Windsor. Fouzia is a professional engineer in Ontario. She has been engaged in pedagogical research since 2007 with a focus on finding tools and techniques to engage students in large quantitative classes. Fouzia designs courses with meaningful and experiential learning components.