



Collaborative learning in electronic engineering

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In the past few years, a substantial increase in the use of collaborative learning as a support for the teaching-learning process in Higher Education has occurred. Students learn best when they are actively involved in the process. Researchers report that, regardless of the subject matter, students working in small groups tend to learn more of what is taught and retain it longer than when the same content is presented in other instructional formats. Students who work in collaborative groups also appear more satisfied with their classes.

The innovation of this paper consists in developing a group of practice classes defined in electronic engineering course to improve the skills and knowledges of students about noise and vibration. By use of a semi-anechoic chamber they can check all physic of noise that involves it.

The students measure different sound source located inside of the semi-anechoic chamber and they have to realize some test and to examine the results confirming the obtained values with the theoretical knowledges.