

Some Tools and Methodologies to Increase Students Interest on Energy and Environment Related Topics

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Several tools and methodologies are presented in order promote active learning in different Engineering subjects, hence providing a wider choice and opportunity for students' learning. Students are confronted with the less traditional ways of learning, like the traditional "knowledge acquisition" and "spoon-fed" subjects, which will lead them to paths like "problem based learning" and "learning by doing".

The tools and methodologies include the use of Simulators, Didactic Software, Web based high quality and rich contents, Virtual Libraries, online work and co-operative and collaborative working environments (either face-to-face or online). These tools and methodologies seek to give students more responsibility as well as to increase students' engagement in the learning process.