

Mechanical Engineering Capstone Design Experience at New Mexico Tech

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Abstract: For the past decade senior mechanical engineering students at New Mexico (NM) Institute of Mining and Technology (Tech) have participated in a capstone design course which serves to introduce the student to industry sponsored mechanical engineering projects. Ongoing assessment of the student performance on these projects leads to some interesting observations about what works and what doesn't work. A discussion of a typical project, assessment methods used to track performance and the outcome of student performance is presented. Finally some lessons learned about what works best to provide a meaningful design experience is presented.