

May 1, 2015

New Mexico Institute of Mining and Technology's
Mechanical Engineering Design Clinic

Deborah Peacock is the Chair of the Regents at New Mexico Tech. She would like to make you aware of a unique opportunity to have an expertly guided student team help with your design, concept and prototyping needs. New Mexico Tech is available to work on real-world design projects. While New Mexico Tech does not charge for student engineering, the project sponsors are expected to cover material costs as well as other expenses incurred (e.g. travel to a project site if that is necessary, machining that can't be handled by the NMT Mechanical Engineering machine shop, etc.).

New Mexico Tech's Junior/Senior Design Clinic is a requirement for all Mechanical Engineering majors. Design Clinic students must review a problem definition, objective and specification, select a design concept, complete a detailed design, build a prototype and determine how well the prototype design meets the objectives.

Submissions for the fall semester are due July 1, 2015 and submissions for the spring semester are due by November 30, 2015. Project proposals are to be submitted electronically to Julie Ford at jford@nmt.edu, in Word, pdf, or PowerPoint. Include a description of the project's importance to your organization as well as to the education and future of the students. Also include an estimate as to the length of time you anticipate a student team would need to follow the design clinic process and create and test a prototype. This helps New Mexico Tech plan on the number of semesters to devote to the project. If you can estimate the ideal size for a student team, that assists in planning and placement of students. While the majority of the projects are student teams from Mechanical Engineering, there are some interdisciplinary projects (e.g. electrical, structural and biomedical). If your project falls into an interdisciplinary category, please clarify what other disciplines you would recommend recruiting students from. Please designate a point of contact to be available to communicate and advise students throughout the process.