

<u>Question</u>	<u>Answer</u>
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Title of Paper	Integrating Nanopositioner Design Issues into an Existing Automatic Controls Course
Abstract	<p>This presentation describes the integration of design aspects of nanopositioners into an undergraduate, Automatic Controls (AC) course in the Mechanical Engineering (ME) Department at the U. of Washington (UW), Seattle. The course development is part of an overall effort to integrate nanotechnology into the undergraduate curriculum at UW through a mixture of new and existing courses. The current article addresses challenges in adding new content in existing courses (such as AC) by integrating nanopositioner design issues with concepts already taught in the course (such as control design to increase bandwidth), and the extensive use of homework (HW) to allow students to explore the application of course concepts into the nanotechnology area. Learning assessment results are presented to demonstrate that students were well able to meet the learning objectives.</p>