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**Allan J. Rossman\*** (arossman@calpoly.edu), Dept of Statistics, Cal Poly, San Luis Obispo, CA 93407. *Ask Good Questions.*

Legend has it that when asked how to be a successful singer, Frank Sinatra replied: Sing good songs. My advice for successful teaching can be summarized in a similarly succinct manner: Ask good questions. What do I mean by this? (Hey, there's a good question!) 1) Ask good questions that lead students to develop their own understanding of key concepts. 2) Ask good assessment questions that promote learning and focus attention on the skills you value. 3) Ask good questions that capture students' interest, motivate them to study, and convince them of the material's value. 4) Inspire students to ask good questions themselves, not only about the course but also about issues of interest to them in the "real world" that can be addressed using the intellectual tools they are learning. Oh, and what makes a question "good"? (Another excellent question; thanks for asking!) Good questions make students think (duh!), address important ideas, build on students' knowledge or confront their misconceptions, challenge students without overwhelming them, motivate students to answer them, and lead students to ask their own questions. In this talk I aim to convince you of the importance of my thesis (in case you missed it: Ask Good Questions!), providing many examples from my teaching of statistics. (Received September 19, 2009)