

1106-E5-2651      **Cesar Martinez-Garza\*** ([cxm58@psu.edu](mailto:cxm58@psu.edu)), Penn State Berks, Tulpehocken Road, P.O. Box 7009, Reading, PA 19610. *Applied Humor in Undergraduate Calculus Courses*. Preliminary report.

Everyone know a joke or two involving an engineer, a physicist, and a mathematician. Whether the punch line involves spherical chickens, minimal fences around the universe, or deranged exponentials, the audience needs different levels of competence in Mathematics and/or Physics to appreciate the humor in the joke. An interesting challenge is to address these same jokes in a classroom setting following the explanation of the theorem or concept upon which they are based. Then, the Intermediate Value Theorem comes to life when the engineer, physicist, and mathematician roommates face a fire in their own kitchen, or when the integral of  $e^x$  reveals that a deranged mathematician in an asylum is effectively invulnerable.

This presentation will encompass many of the connections that the speaker has found to be quite effective in communicating Differential and Integral Calculus to undergraduate students. (Received September 16, 2014)