

1035-Z1-1633 **Wojciech K Kosek*** (kosekw@msn.com), 14 East Cache La Poudre Street, Colorado Springs, CO 80903. *How to help calculus students understand more and memorize less.*

Students who take calculus in high school are frequently familiar with various methods and formulas, but their understanding of concepts and ideas can sometimes be superficial. It is my strong belief that the main emphasis of a calculus course should be placed on the understanding of ideas and facts, rather than their memorization. Informal, intuitive explanations should be presented, whenever feasible. I strive to help my students to grasp a general understanding of why various statements are true. A typical calculus course is not proof based, but informal explanations are usually appreciated by math and non-math majors alike. I will share some of the arguments used in my calculus classes in this talk. (Received September 20, 2007)