

**Meeting:** 1003, Atlanta, Georgia, MAA CP C1, MAA Session on Courses Below Calculus: A New Focus, I

1003-C1-254            **Scott R Herriott\*** ([herriott@mum.edu](mailto:herriott@mum.edu)), 1000 N. 4th St. #1070, Fairfield, IA 52557.

*Mathematical Requirements of Majors in the Managerial, Social and Life/Health Sciences.*

The managerial, social and life/health sciences are the major-field destinations for 75% to 85% of the students in a typical college algebra course. For these students, a new type of subcalculus curriculum would be the gateway to the fields of knowledge they will study and use. Such a curriculum would have an applied orientation through modeling. As compared to traditional curricula, it would put relatively more emphasize on the linear, exponential and power functions and relatively less on rational functions and polynomials. Pedagogy would focus on developing the students' ability to translate verbal expressions into graphical and mathematical models. (Received September 29, 2004)