Math and Stat Colloquium
Monday, October 24
3:30pm BUS 211

Refreshments will be served in the Lund Hall Foyer at 3 p.m.

Speaker:
Jon Kujawa
University of Oklahoma
Norman, OK

"Cohomology the Easy Way"

Abstract:In order to study the modules of a Lie superalgebra over the complex numbers, it is unavoidable that cohomology will enter the picture. Computing cohomology is usually quite hard. Amazingly, in this setting it can be done just using undergrad linear algebra and basic invariant theory! We'll walk our way through the calculation of the cohomology ring from beginning to end, and talk a bit about some of the remarkable implications of the answer. No particular background is assumed and everything which is needed (Lie superalgebras, cohomology, etc.) will be introduced as needed.