

UNM Math Stats Club  
**2<sup>nd</sup> Annual Undergraduate Research Conference**

Friday 30 November, 2012 5:30pm-7:30pm  
Science and Mathematics Learning Center 356

*An Exploration of Cancer Reoccurrence and Mortality Trends Using the SEER Data Set*

Katherine Freeland

**Advisor:** Dr. Michael Sonksen

*Iterated Convex Deficiency*

Sam Mundy

Independent Project

*Mathematical Methods of Diabetes Mellitus*

Shannon Clint Cartee

**Advisor:** Dr. Evangelos Coutsias

*Visualization and Algorithm for Simulations of Electro-Magnetic Field  
in an Elementary Cell of a Layer of Metamaterials*

Anastassiya Semenova

**Advisor:** Dr. Alexander Korotkevich

*$L^p$  Estimates on the Zonal and Sectoral Harmonics*

Stephen Pietromonaco

**Advisor:** Dr. Matthew Blair

*Parameterizing Quaternion Pythagorean Triples*

Andrew Herring

**Advisor:** Dr. Alexandru Buium

All are welcome!

Potluck Event