

# Loni Delaplane

Faculty 1, Room 112  
(808)245-8282  
ldel@hawaii.edu

## Education

**Ph.D. Mathematics**, May 2009 - University of Mississippi, Oxford, MS

Dissertation: *Connectivity and Characteristic Polynomials of Binary Matroids*, Advisor: Dr. Haidong Wu

**M. S. Mathematics**, December 2006 - University of Mississippi, Oxford, MS

**B. S. Mathematics**, *Summa Cum Laude*, May 2005 - University of Montevallo, Montevallo, AL

**A.A. General Studies**, May 2003 - Jefferson State Community College, Birmingham, AL

## Professional Experience

**Kauai Community College** - Assistant Professor of Mathematics 2010 - present

**Birmingham-Southern College** - Assistant Professor of Mathematics 2009 - 2010

**University of Mississippi** - Graduate Teaching Assistant 2005 - 2009

## Courses Taught

Math 82x - Expanded Algebraic Foundations

Math 100 - Survey of Mathematics

Math 103 - College Algebra

Math 140X - Precalculus

Math 205 - Calculus 1

Math 206 - Calculus 2

## Research and Publications

*Bounding the coefficients of the characteristic polynomials of simple binary matroids* with Wu. *Discrete Math.* 312(12-13): 2062-2068 (2012)

*On minor-minimally 3-connected binary matroids* with Reid, Wu, Zhou. *Discrete Math.* 309(10): 3249-3254 (2009)

## Service

Math Coordinator

Faculty Senate - at large representative

Success Committee member