

Faculty members in the department are expected to maintain an active scholarly and professional life. This includes, but is not restricted to, publishing and presenting research papers. In particular, the department embraces Ernest Boyer's idea of five forms of scholarship: Discovery, Integration, Teaching, Application, and Preservation, as discussed in his book "Scholarship Reconsidered: Priorities of the Professorate" (Carnegie Foundation, 1990).

Various members of the department are active at the sectional and national level of the Mathematical Association of America, serving as section officers, members of committees such as CUPM, Quantitative Literacy and Assessment. Other members of the department are active in the Association for Computing Machinery at local and national levels.

Here are some recent publications by members of the department:

Available to view in Adobe Acrobat Reader

- [The \$N\$ -queens Problem on a symmetric Toeplitz matrix - Zsuzsanna Szaniszló \(2008\)](#)
- [The Influence of Sexually Active Non-reproductive Groups on Persistent Sexually Transmitted Diseases, J. Biol. Dynamics - Daniel Maxin \(September, 2009\)](#)
- [Proving that Three Lines are Concurrent, College Mathematics Journal - Daniel Maxin \(March, 2009\)](#)
- [The Effect of Nonreproductive Groups on Persistent Sexually Transmitted Diseases - Daniel Maxin \(2007\)](#)
- [The Role of Sexually Abstained Groups in Two-Sex Demographic and Epidemic Logistic Models with Non-Linear Mortality \(with F.A. Milner\), Journal of Theoretical Biology - Daniel Maxin \(2008\)](#)
- [SET, Affine Planes and Latin Squares - Zsuzsanna Szaniszló and Anna Bickel \(2007\)](#)
- [On the Implementation of a One-Semester Course in Discrete Mathematics - Bill Marion \(2007\)](#)
- [Divisor Concepts for Mosaics of Integers - Rick Gillman, Kristen Bildhauser, Jared Erickson and Cara Tacoma \(2009\)](#)
- [Maximizing Interactions in Class and at Social Mixers - Rick Gillman \(2008\)](#)
- [Current Practices in Quantitative Literacy - Rick Gillman \(2006\) \(MAA Bookstore\)](#)
- [Concept Inventories in Computer Science for the Topic Discrete Mathematics - Bill Marion \(2006\)](#)
- [Supporting Assessment in Undergraduate Mathematics - Bill Marion \(2006\)](#)
- [Developing an Algebra Sublanguage for Tutorial Dialogues - Michael Glass \(2009\)](#)
- [Tutoring Dialogue Goals for Conceptual Understanding of Differential Equations: Preliminary Work - Michael Glass \(2009\)](#)
- [Extracting Information from Natural Language Input to an Intelligent Tutoring System-Michael Glass \(2008\)](#)
- [An Intelligent Tutoring System that Generates a Natural Language Dialogue Using Dynamic Multi-Level Planning - Michael Glass \(2006\)](#)

- [Annotation of Tutorial Dialogue Goals for Natural Language Generation - Michael Glass \(2006\)](#)
- [Adding to LSA's Bag for Information Retrieval - Michael Glass \(2005\)](#)
- [Multilayer Analytic Element Modeling of Radial Collector Wells - Ken Luther \(2005\)](#)
- [A Bisexual Bidimensional Branching Process in a Generic Context - David Hull \(2004\)](#)