

Stephen Flood

Department of Mathematics
University of Connecticut, Waterbury
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Education

PhD in Mathematics from the University of Notre Dame. (2012)

Thesis: *Paths, trees, and the computational strength of some Ramsey-type theorems.*

Advisor: Peter Cholak.

MS in Mathematics from the University of Notre Dame (2010).

BS in Mathematics with honors and **minor in Philosophy**
from the University of Chicago (2007).

Employment

- *Visiting Assistant Professor.* University of Connecticut, Waterbury.
August 2013 - Present.
- *Lecturer in Mathematics.* Pennsylvania State University.
August 2012 - July 2013.

Publications

- *Long graph decompositions*, Submitted for publication.
- *A packed Ramsey's theorem and computability theory*,
Accepted for publication in the Transactions of the AMS.
- *Reverse mathematics and a Ramsey-type König's lemma*,
Journal of Symbolic Logic, Volume 77, Number 4, Dec. 2012
- *A Turán-type Problem for Circular-arc Graphs*, with Rosalie Carlson,
Kevin O'Neill, and Francis Edward Su. Posted as arXiv:1110.4205

Teaching Experience

University of Connecticut, Waterbury, CT

- **Calculus I** (2 sections) and **Business Calculus**, Spring 2014.
- **Calculus I** (2 sections) and **Precalculus**, Fall 2013.

Pennsylvania State University, University Park, PA

- **Calculus with Analytic Geometry II**, Spring 2013.

- **Calculus with Analytic Geometry II** (3 sections), Fall 2012.

University of Notre Dame, Notre Dame, IN

- **Calculus II for Biology**, Spring 2011.
- TA for **Calculus II for Biology**, Fall 2010.
- **Beginning Logic for the Humanities**, Fall 2009.
- TA for **Beginning Logic for the Humanities**, Spring 2009.

University of Chicago, Chicago, IL

- Grader for **Linear Algebra**, Fall 2006.
- TA for **7th and 8th Grade YSP**, Summer 2006.

Awards and Distinctions

- **Professional Associations**
 - Sigma Xi. Associate Member, April 2006 – Present.
- **Travel Grants**
 - From the ASL, to attend meetings in 2010 and 2012.
 - From the MFO in Oberwolfach, Germany to attend a seminar in 2011.
 - From the IMS in Singapore to attend a summer school in 2011.
- **Awards and Scholarships**
 - Notre Dame College of Science Summer Stipend Fellowship, 2009.
 - National Merit Scholarship, 2003 – 2007.

Talks and Seminars

- Marshall University, *Colloquium*, April 2014.
- Cornell University, *Logic Seminar*, March 2014.
- *Connecticut Logic Seminar*, University of Connecticut, February 2014.
- *Session on Logic and Probability*, AMS Joint Meeting, January 2014.
- *New England Recursion and Definability Seminar*, Dartmouth College, October 2013.
- Pennsylvania State University, *Logic Seminar*, April 2013.
- University of Pennsylvania, *Logic Seminar*, April 2013.
- *Session on Graph Theory II*, AMS Joint Meeting, January 2013.
- *Connecticut Logic Seminar*, University of Connecticut, November 2012.
- Pennsylvania State University, *Logic Seminar*, September 2012.
- Computability in Europe: Turing Centenary Conference (CiE 2012), *Contributed Talk*, University of Cambridge, June 2012.

- University of Waterloo, *Logic Seminar*, January 2012.
- *Special Session on the Life and Legacy of Alan Turing*, AMS Joint Meeting, January 2012.
- Ohio State University, *Logic Seminar*, November 2011.
- University of Notre Dame, *Graduate Student Seminar*, November 2011.
- *Midwest Computability Seminar*, University of Chicago, November 2011.
- University of Notre Dame, *Mathematical Logic Seminar*, September 2011.
- ASL 2011 North American Annual Meeting, *Contributed Talk*, March 2011.
- University of Notre Dame, *Logic and Combinatorics Seminar*, September 2010.
- University of Notre Dame, *Graduate Student Seminar*, April 2010.
- University of Notre Dame, *Mathematical Logic Seminar*, January 2009.

Teaching Recognition and Additional Experience

- **Participant**, in a “one-day symposium [and workshop] focused on incorporating evidence-based scientific teaching methods into undergraduate STEM courses” Yale University, July 2014.
- Nominated by two students for a **Recognition Event** for faculty who
“played an especially essential role in their transition from high school to college and have contributed more than others in their success as a first year.” (April 2013)
- **Striving for Excellence in Teaching** certificate, awarded by the Kaneb Center, November 2011.
- **Tutor**, South Bend Juvenile Correctional Facility, Fall 2008 – Spring 2012.
- **Participant**, Authoring online questions workshop, October 2011.
- **Participant**, Graduate Education class on the “Theory and Practice of Asking Questions and Getting Answers”, Summer 2009.
- **Participant**, Department of Mathematics Teaching Seminar, Spring 2009.
- **Adult Ed. GED Tutor**, HOPE Ministries, Fall 2008.

Professional Societies

- American Mathematical Society.
- Association for Symbolic Logic.

Computer Science Experience

- Proficient with the L^AT_EX typesetting language.
- Online homework systems (WebAssign and CalcPortal).
- Advanced Microsoft Excel (pivot tables, macros, VBA, etc.)
- C/C++, Scheme, Prolog.
- HTML, CSS3, PHP.