Curriculum Vitae

Contact Information

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Education

09/2004–01/2008 M.Sc., Dept. of Mathematics, University of Manitoba, Winnipeg, Manitoba
- Supervisor: Dr. D. S. Gunderson
- Thesis title: *Topics in finite graph Ramsey theory*
- GPA: 4.22 overall

09/2000–09/2004 B.Sc., University of Manitoba, Winnipeg, Manitoba
- Joint honours in Computer Science and Mathematics (with co-op)
- GPA: 3.61 overall

Teaching Experience

Winter 2010 MATH 2300: Linear Algebra 2, UofM

MATH 1520: Introductory Calculus for Management and Social Sciences, UofM
- Taught two of a total of three sections.
- Taught together with Dr. S. Lui.

Fall 2009 MATH 1310: Matrices for Management and Social Sciences, UofM
- Taught two of a total of three sections.
- Taught together with Dr. G. Lukács.

MATH 1010: Applied Finite Mathematics, UofM
- Taught one of a total of three sections.
- Taught together with Dr. D. Trim and T. Mohammed.

July–Aug 2009 MATH 2500: Introduction to Number Theory, UofM

MATH 2300: Linear Algebra 2, UofM

May–June 2009 MATH 1500: Introduction to Calculus, UofM

MATH 1010: Applied Finite Mathematics, UofM

Winter 2009

COMP 1010: Introduction to Computer Science I, UofM
• Taught one of a total of three sections.
• Taught together with J. Allen and J. Braico.

MATH 1310: Matrices for Management, UofM
• Taught one of a total of two sections.
• Taught together with Dr. H. G. I. Moghaddam.

MATH 1210: Techniques in Classical and Linear Algebra, UofM
• Taught one of a total of two sections.
• Taught together with Dr. T. Berry.

MATH 1010: Applied Finite Mathematics, UofM
• Course coordinator.
• Taught one of a total of two sections.
• Taught together with D. Kalajdzievska.

Fall 2008

MATH 1500: Introduction to Calculus, UofM
• Taught one of a total of seven sections.

MATH 1010: Applied Finite Mathematics, UofM
• Taught two of a total of three sections.
• Taught together with Dr. M. Davidson.

MATH 0500: Preparing for University Mathematics, UofM
• Saturday class/tutorial sessions for the first 5 weeks of term.
• Taught together with C. Enns.

July–Aug 2008

MATH 2500: Introduction to Number Theory, UofM

MATH 2300: Linear Algebra 2, UofM

May–June 2008

MATH 1500: Introduction to Calculus, UofM

MATH 1210: Techniques in Classical and Linear Algebra, UofM

Winter 2008

MATH 2300: Linear Algebra 2, UofM
• First time 2300 has been taught through Distance Education
• Made extra video tutorials to help students learn material.

MATH 1010: Applied Finite Mathematics, UofM
• Taught together with Dr. H. G. I. Moghaddam

MATH 0500: Preparing for University Mathematics, UofM
• Saturday class/tutorial sessions for the first 5 weeks of term.

Fall 2007

MATH 1300: Vector Geometry and Linear Algebra, UofM
• Distance education taught through Campus Manitoba
• Weekly tutorials held over the internet

MATH 1010: Applied Finite Mathematics, UofM
• Taught together with Dr. D. Trim and Dr. H. G. I. Moghaddam.

	MATH 0500: Preparing for University Mathematics, UofM • Saturday class/tutorial sessions for the first 5 weeks of term. • First time offered by the department. • Taught together with Dr. T. Berry, C. Enns, and D. Gabrielson.
May–June 2007	MATH 1010: Applied Finite Mathematics, UofM
May–June 2006	136.101: Applied Finite Mathematics, UofM
May–June 2005	136.101: Applied Finite Mathematics, UofM

TA and Tutoring Experience

10/2008–12/2008	Personal Tutor (various courses)
01/2008–04/2008	MATH 1210: Classical and Linear Algebra $\times 4$
01/2008–02/2008	Personal Tutor
09/2007–12/2007	MATH 1500: Introduction to Calculus $\times 3$
09/2007–12/2007	MATH 1700: Calculus 2 $\times 2$
06/2007	Personal Tutor
09/2006–12/2006	136.101: Applied Finite Math $\times 2$
01/2006–04/2006	136.130: Linear Algebra $\times 4$
10/2004–04/2005	Math Help Centre Tutor
01/2005–04/2005	136.130: Linear Algebra $\times 3$
01/2005–04/2005	136.101: Applied Finite Math $\times 2$
09/2004–12/2004	136.130: Linear Algebra $\times 2$
09/2004–12/2004	136.101: Applied Finite Math $\times 2$
05/2004–06/2004	136.130: Linear Algebra
05/2004–06/2004	136.101: Applied Finite Math
01/2004–04/2004	136.130: Linear Algebra $\times 2$
01/2004–04/2004	136.101: Applied Finite Math $\times 2$
09/2003–12/2003	136.101: Applied Finite Math $\times 2$
01/2003–04/2003	136.101: Applied Finite Math

Presentations

Winter 2008	Guest lecturer: *MATH 4400: Combinatorics 2*, UofM. • Topics: Extremal Graph Theory and Ramsey Theory

Spring 2007	Department of Mathematics Graduate Student Seminar: *Mathematics of Eventown and Oddtown* (Made using “Prosper”, a LaTeX document class)
Fall 2006	Department of Mathematics Graduate Student Seminar: *Introduction to Ramsey theory for Graphs* (Made using “Prosper”, a LaTeX document class)
Spring 2006	Department of Mathematics Graduate Student Seminar: *Graph Reconstruction* (Made using “Prosper”, a LaTeX document class)
Fall 2005	Department of Mathematics Graduate Student Seminar: *An Introduction to the Probabilistic Method*
Spring 2005	Department of Mathematics Graduate Student Seminar: *Some Interesting Infinite Sequences of Natural Numbers*
Spring 2005	SIAM C.S.E. Conference, Feb 11-15, 2005: *Modeling Hyperbolic Geometry*
Fall 2004	Department of Mathematics Graduate Student Seminar: *The Equivalences of 7 Major Theorems in Combinatorics*

Committees and Volunteer Work

12/2008–Present	Winnipeg Church of Christ: Treasurer • Responsible for all financial operations of the church • Sole member with cheque signing authority
11/2007–Present	Winnipeg Church of Christ: Preteen/Teen Ministry Co-Leader • Together with Kaydi-Ann Borgersen (wife) • Teaching children ages nine and up • Planning events, organizing meetings
09/2006–05/2007	Winnipeg Church of Christ: “Kingdom Kids” kids’ classes • Teaching two and three year olds
05/2002–05/2004	Science Student’s Association • UMSU Representative
05/2001–05/2002	University 1 Student Council • UMSU Representative
09/2001–02/2002	Winnipeg Church of Christ: “Kingdom Kids” kids’ classes • Teaching two and three year olds
09/2000–05/2001	University 1 Student Council • Science Representative
09/2000–04/2001	Computer Science Students’ Association

Casual experience volunteering for Hope World Wide of Canada (www.hopeww.org)

January 28, 2010