Dan Wolczuk

CONTACT INFORMATION	Dan Wolczuk

CONTACT INFORMATION

Dan Wolczuk
Dean of Math's Office
Faculty of Mathematics
University of Waterloo
200 University Ave W
Waterloo, ON, Canada
N2L 3G1

Phone: 1-519-888-4567 ext. 36247
E-mail: dan@wolczuk.com
Website: www.wolczuk.com

RESEARCH INTERESTS

Scholarship of teaching and learning in mathematics: benefits of teaching students how to learn, the testing effect, using comics in math education.

EDUCATION

University of Waterloo, Waterloo, ON, Canada

MMath, Pure Mathematics, 2004

- Thesis Topic: Intervals with few prime numbers.
- Advisor: Cameron Stewart

University of Northern British Columbia, BC, Canada

BSC, Mathematics, 2001

- Research Topic: Inhomogeneous Diophantine approximations.
- Advisor: Chris Pinner

HONORS AND AWARDS

2013	Distinguished Teaching Award, Faculty of Mathematics, University of Waterloo
2013	Instructor of the Year, Mathematics Student Society, University of Waterloo

TEACHING EXPERIENCE

Continuing Lecturer, Faculty of Mathematics, University of Waterloo 2004 - present

Course Development

2014	Linear Algebra for Mathematical Teaching Online
2013	Linear Algebra 2 for Honours Mathematics Online
2012	Linear Algebra 1 for Honours Mathematics Online
2009	Revised Linear Algebra 1 and 2 for Honours Mathematics
2008	Revised Calculus 3 for Honours Mathematics

Courses Taught (* indicates coordinating a multi-section course)

Term	Course	Title
Spring 2018	Math 136*	Linear Algebra 1 for Honours Math (2 sections)
Spring 2018	Math 636	Linear Algebra for MMT (online)
Winter 2018	Math 136*	Linear Algebra 1 for Honours Math (2 sections)
Fall 2017	Math 235*	Linear Algebra 2 for Honours Math (2 sections)
Spring 2017	Math 235*	Linear Algebra 2 for Honours Math
Winter 2017	Math 118	Calculus 2 for Engineering (2 sections)
Winter 2017	Math 136*	Linear Algebra 1 for Honours Math
Fall 2016	Math 116	Calculus 1 for Engineering
Fall 2016	Math 235*	Linear Algebra 2 for Honours Math (2 sections)
Winter 2016	Math 118	Calculus 2 for Engineering
Winter 2016	Math 136*	Linear Algebra 1 for Honours Math
Fall 2015	Math 235*	Linear Algebra 2 for Honours Math (2 sections)
Fall 2015	Math 237	Calculus 3 for Honours Math
Spring 2015	Math 136	Linear Algebra 1 for Honours Math (online)
Spring 2015	Math 235*	Linear Algebra 2 for Honours Math
Spring 2015	Math 235	Linear Algebra 2 for Honours Math (online)
Winter 2015	Math 136*	Linear Algebra 1 for Honours Math (2 sections)
Fall 2014	Math 136*	Linear Algebra 1 for Honours Math
Fall 2014	Math 136	Linear Algebra 1 for Honours Math (online)
Spring 2014	Math 235*	Linear Algebra 2 for Honours Math
Spring 2014	Math 636	Linear Algebra for MMT (online)
Winter 2014	Math 136	Linear Algebra 1 for Honours Math (online)
Winter 2014	Math 138*	Calculus 2 for Honours Math
Fall 2013	Math 137*	Calculus 1 for Honours Math
Fall 2013	Math 138*	Calculus 2 for Honours Math (2 sections)
Spring 2013	Math 137*	Calculus 1 for Honours Math
Spring 2013	Math 235*	Linear Algebra 2 for Honours Math
Spring 2013	Math 235	Linear Algebra 2 for Honours Math (online)
Winter 2013	Math 136*	Linear Algebra 1 for Honours Math
Winter 2013	Math 136	Linear Algebra 1 for Honours Math (online)
Winter 2013	Math 235*	Linear Algebra 2 for Honours Math
Fall 2012	Math 235*	Linear Algebra 2 for Honours Math (2 sections)
Spring 2012	AMath/PMath 332	Applied Complex Analysis
Winter 2012	Math 136*	Linear Algebra 1 for Honours Math (2 sections)
Winter 2012	Math 235*	Linear Algebra 2 for Honours Math
Fall 2011	Math 135	Algebra for Honours Math
Fall 2011	Math 235*	Linear Algebra 2 for Honours Math
Spring 2011	Math 235*	Linear Algebra 2 for Honours Math
Spring 2011	AMath/PMath 332	Applied Complex Analysis
Winter 2011	Math 136*	Linear Algebra 1 for Honours Math
Winter 2011	Math 235*	Linear Algebra 2 for Honours Math
Winter 2011	Math 237*	Calculus 3 for Honours Math

Term	Course	Title
Fall 2010	Math 136*	Linear Algebra 1 for Honours Math
Fall 2010	Math 235*	Linear Algebra 2 for Honours Math
Fall 2010	Math 237*	Calculus 3 for Honours Math
Spring 2010	Math 136*	Linear Algebra 1 for Honours Math
Spring 2010	Math 235*	Linear Algebra 2 for Honours Math (2 sections)
Winter 2010	Math 136*	Linear Algebra 1 for Honours Math
Winter 2010	Math 235*	Linear Algebra 2 for Honours Math
Winter 2010	Math 237*	Calculus 3 for Honours Math
Fall 2009	Math 136*	Linear Algebra 1 for Honours Math
Fall 2009	Math 235*	Linear Algebra 2 for Honours Math
Fall 2009	Math 237*	Calculus 3 for Honours Math
Spring 2009	Math 136*	Linear Algebra 1 for Honours Math
Spring 2009	Math 235*	Linear Algebra 2 for Honours Math
Spring 2009	Math 237*	Calculus 3 for Honours Math
Winter 2009	Math 136*	Linear Algebra 1 for Honours Math
Winter 2009	Math 138	Calculus 2 for Honours Math
Winter 2009	Math 237*	Calculus 3 for Honours Math
Fall 2008	Math 137	Calculus 1 for Honours Math
Fall 2008	Math 237*	Calculus 3 for Honours Math (2 sections)
Spring 2008	Math 138	Tutorials for Calculus 2 for Honours Math
Spring 2008	Math 237*	Calculus 3 for Honours Math
Winter 2008	Math 138	Calculus 2 for Honours Math
Winter 2008	Math 237*	Calculus 3 for Honours Math (2 sections)
Fall 2007	Math 217	Calculus 3 for Chemical Eng
Fall 2007	Math 237*	Calculus 3 for Honours Math (2 sections)
Spring 2007	Math 138	Calculus 2 for Honours Math
Winter 2007	Math 118*	Calculus 2 for Engineering
Winter 2007	Math 218	Differential Equations for Engineering
Fall 2006	Math 116*	Calculus 1 for Engineering
Fall 2006	Math 137	Calculus 1 for Honours Math (2 sections)
Spring 2006	Math 118*	Calculus 2 for Engineering
Spring 2006	Math 237*	Calculus 3 for Honours Math
Winter 2006	Math 237*	Calculus 3 for Honours Math
Fall 2005	Math 116	Calculus 1 for Engineering
Fall 2005	Math 137	Calculus 1 for Honours Math (2 sections)
Spring 2005	Math 136*	Linear Algebra 1 for Honours Math
Winter 2005	Math 127	Calculus 1 for Science (2 sections)
Winter 2005	AMath/PMath 332	Applied Complex Analysis
Fall 2004	Math 125	Applied Linear Algebra 1 (DE)
Fall 2004	Math 127	Calculus 1 for Science
Spring 2004	Math 118	Calculus 2 for Engineering

PROFESSIONAL
SERVICE

Academic Advising

2010 - Present	Plans for Students Outside the Math Faculty
2014 - 2106	General Advising

University of Waterloo Committees

2010 - Present	Math Faculty Undergraduate Affairs Committee
2016 - Present	Senate Undergraduate Council
2016 - Present	Senate
2012 - 2014	Senate Undergraduate Council

Additional Service

2011 - Present	Mathematics Contest Committee
2014 - Present	Outreach activities: Fall Open House, March Break Open House, You@UWaterloo Day, Ontario University Fair
2016 - Present	Transfer Credits for core math courses
2007 - 2011	Math Circles Instructor\Organizer

PUBLICATIONS **Books and Course Notes**

Wolczuk, D. (2016) *Linear Algebra 1 and 2 Course Notes*. Pearson Publishing. ISBN # 978-1-323-56954-2

Norman, D., Wolczuk, D. (2012) *Introduction to Linear Algebra for Science and Engineering (2nd edition)*. Pearson Publishing. ISBN # 978-0-321-74896-6

Norman, D., Wolczuk, D. (2012) *Student Solution Manual for Introduction to Linear Algebra for Science and Engineering (2nd edition)*. Pearson Publishing. ISBN # 978-0-321-80762-5

Refereed Journal Articles

Pinner, C., Wolczuk, D. (2001) *On the inhomogeneous Hall's ray of period one quadratics*. Experimental Math. 10, 487 - 495.

SEMINARS **Conference Seminars**

Presentation Skills, TESL WW May Conference, Conestoga College. (May 2017)

University of Waterloo Faculty Teaching Seminars

Feb 2018	Student-Centered Learning
Nov 2017	Presentation Skills
Jul 2017	Presentation Skills
Jul 2017	The Testing Effect
Jun 2017	Assessments for Learning
Jun 2017	Motivating Students
May 2017	Active Learning in Math
Feb 2017	The Testing Effect
Nov 2016	Bloom's Taxonomy for Math
Nov 2016	The Testing Effect
Oct 2016	Metacognition
Oct 2016	The Teaching-Learning-Assessment Cycle
Sep 2016	Presentation Skills
Sep 2016	Active Learning in Math

University of Waterloo Student Learning Seminars

Mar 2018	Getting Help
Mar 2018	Illusions of Competence
Feb 2018	Advanced Learning Strategies
Feb 2018	Grades versus Learning
Mar 2017	Effective Study
Mar 2017	Neuroscience of Memory
Feb 2017	Learning in Lectures
Feb 2017	Embracing Failure
Jan 2017	Thinking About Your Thinking
Jan 2017	Obtaining Higher Learning
Nov 2016	Effective Study
Nov 2016	Neuroscience of Memory
Nov 2016	Learning in Lectures
Oct 2016	Embracing Failure
Sep 2016	Thinking About Your Thinking
Sep 2016	Obtaining Higher Learning

CONFERENCES
AND WORKSHOPS
ATTENDED

Apr 2018	First Year University Mathematics, Fields Institute (Toronto, ON)
Apr 2018	UW Teaching and Learning Conference (Waterloo, ON)
Dec 2017	CMS Winter Meeting (Waterloo, ON)
Apr 2017	UW Teaching and Learning Conference (Waterloo, ON)
Jun 2016	STLHE 2016 Conference
Jun 2016	Lilly International Conference (Bethesda, MD)
Apr 2016	UW Teaching and Learning Conference (Waterloo, ON)
Apr 2016	Wiley Sciences Teaching and Learning Workshop (Toronto, ON)
Apr 2015	UW Teaching and Learning Conference (Waterloo, ON)

VOLUNTEERING

2015 - present	MATU High School Enrichment Program
Jan 2018	Sir John A Macdonald SS presentation
2004 - 2018	Elizabeth Ziegler Elementary Volunteer
2014 - 2018	Centennial Public School Volunteer
2011 - 2015	Ukrainian Dance Instructor
2007 - 2012	MATU High School Enrichment Program
2002 - 2007	Ukrainian Dance Instructor