Olena Kozhushkina

Department of Mathematics, Lafayette College, Easton PA 18042 Home: 310 Cattell St., Apt. C, Easton PA Phone: 330-389-2027 Email: <u>okozhush@math.kent.edu</u> http://sites.lafayette.edu/kozhusho//

EDUCATION

Ph.D. in Mathematics, Kent State University, Kent OH	August 2014	
 Advisors: Richard M. Aron, Bernardo Cascales, and Antonio J. Guirao 		
• Dissertation: "The Bishop-Phelps-Bollobás Theorem and Operators on Banach Spaces"		
M.A. in Pure Mathematics, Kent State University, Kent OH	2007–2009	
M.Sc. in Applied Mathematics, Diploma with Honors, Volodymyr Dahl East-Ukrainian National		
University, Ukraine	2006-2007	
Advisor: Y.M. Arlinskii		
• Master's thesis: "Investigation of Some Semigroups in the Ring of Quaternions"		
B.A. in Applied Mathematics, Diploma with Honors, Volodymyr Dahl East-Ukrainian National		
University, Ukraine	2006	
Specialist Degree in English, Taras Shevchenko National University of Lugansk, Ukraine	2006	

RESEARCH INTERESTS

Functional analysis; Operator theory; Approximation theory.

Publications and Work in Progress

- R. M. Aron, B. Cascales, **O. Kozhushkina** (2011). "The Bishop-Phelps-Bollobás theorem and Asplund operators", Proceedings of AMS, 139, no. 10, 3553–3560.
- A. J. Guirao, **O. Kozhushkina** (2013). "The Bishop-Phelps-Bollobás property in $l_1(C)$ for numerical radius", Studia Mathematica, 218, no. 1, 41-54. **arXiv:1301.4574**
- **O. Kozhushkina**. "On the Bishop-Phelps-Bollobás property and Banach algebras."

ACADEMIC POSITIONS

•	Lafayette College, Easton PA	AY 2014-2015, Spring 2014
	Visiting Assistant Professor, Visiting Instructor, Mathematics	
•	Lafayette College, Easton PA	Fall 2013
	Adjunct Professor, Mathematics	
•	Kent State University, Kent OH	2007–2012
	Graduate Assistant.	

Responsibilities as a graduate assistant: taught a variety of classes (listed below), mentored new teaching assistants; assisted in the summer REU program and summer STEM academy for high-school students potentially interested in teaching; assisted with web-based Basic Algebra

sequence classes; grader for Discrete Mathematics class (MATH 31011) and Fundamental Concepts of Algebra class (MATH 34001)

TEACHING EXPERIENCE

Courses Taught

Lafayette College				
• Linear Algebra with Applications (Math 272)	Spring 2015			
• Calculus 2 (Math 162)	Spring 2015			
• Differential Calculus and Economic Modeling (Math 141)	Spring 2014			
• Applied Statistics (Math 186)	Fall 2014, Spring 2014			
• Calculus 3 (Math 263)	Fall 2014, Fall 2013			
Kent State University				
Basic Mathematical Concepts II (MATH 14002)	Spring 2012			
Basic Mathematical Concepts I (MATH 14001)	Fall 2011			
 Basic Probability and Statistics (MATH 30001) 	Spring 2010			
• Modeling Algebra (MATH 11010)	Fall 2010			
• Trigonometry (MATH 11022)	Fall 2010, Spring 2009			
• Analytic Geometry and Calculus I (MATH 12001)	Fall 2008			
• Algebra for Calculus (MATH 11010)	Spring 2008, Fall 2007			

RESEARCH RELATED ACTIVITIES

Conference Presentations, Invited Talks and Seminars

MAAD Talk, Lafayette College, Easton PA	2014
Seminar, Lafayette College, Easton PA	2013
• Invited Talk, Complex Analysis Seminar, University of Toledo, Toledo OH	2013
 Joint Mathematics Meeting, San Diego CA 	2013
• AMS Fall Sectional Meeting, Special Session on Operator Theory and Function Spaces,	
Rochester Institute of Technology, Rochester NY	2012
 Non-linear analysis seminar, Kent State University, Kent OH 	2011
• Invited Talk, Department of Mathematics, Universidad de Murcia, Murcia Spain	2011
• Special Session on Function Spaces, The Sixth Conference on Function Spaces at SIEU,	,
Edwardsville IL	2010
• Non-linear analysis seminar, Kent State University, Kent OH	2010
• Measure theory seminar, Kent State University, Kent OH	2009
Conferences Attended	
 AMS Fall Sectional Meeting, Washington University, St. Louis, MO 	2013
 Joint Mathematics Meeting, San Diego, CA 	2013
AMS Sectional Meeting, Akron OH	2012
Informal Analysis Seminar, Kent OH	2011
Summer School on Fourier Analytic and Probabilistic Methods in Geometric	
Functional Analysis and Convexity, Kent OH	2008

Research Grant

Supported by FRG: Collaborative Research: Fourier analytic and probabilistic methods in geometric functional analysis and convexity Fall 2009–Spring 2010

Visiting

Universidad de Murcia, Murcia, Spain

June–July 2011

Professional Activities and Societies

- Reviewer for Mathematical Reviews (3 papers reviewed)
- Member of American Mathematical Society

REFERENCES

- Richard M. Aron, Professor Thesis advisor Department of Mathematical Sciences, Kent State University, Kent OH 44242 Phone: 330-672-9116 Email: aron@math.kent.edu
- Bernardo Cascales, Professor Thesis advisor Departamento de Matemáticas, Facultad de Matemáticas, Universidad de Murcia, 30100 Espinardo, Murcia, Spain. Phone: +34 868 88 41 74 Email: <u>beca@um.es</u>
- Robert Root, Professor Department Head Department of Mathematics, Lafayette College, Easton PA 18042 Phone: 610-330-5280 Email: robroot@lafayette.edu
- Thomas Yuster, Associate Professor Teaching reference
 Department of Mathematics, Lafayette College, Easton PA 18042
 Phone: 610-330-5278
 Email: <u>yustert@lafayette.edu</u>
- Artem Zvavitch, Associate Professor Graduate student coordinator Department of Mathematical Sciences, Kent State University, Kent OH 44242 Phone: 330-672-3316 Email: <u>azvavitc@kent.edu</u>