

Noah A. Hughes

Contact

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Education

University of Connecticut Storrs, Connecticut
Ph.D. Mathematics, GPA: 3.84 Expected May 2021
Louis J. DeLuca Outstanding Teaching Assistant Award, Graduate Certificate in Logic

National University of Singapore Singapore
IMS Graduate Summer School in Logic 2019

Appalachian State University Boone, North Carolina
M.A. Mathematics, Concentration: College Teaching, GPA: 4.00 May 2015
B.S. Mathematics, GPA: 4.00 May 2014
Summa cum laude, Most Distinguished Graduate in Mathematics

Carnegie Mellon University Pittsburgh, Pennsylvania
Summer School in Logic and Formal Epistemology 2014

Bibliography

Uniform distinctions in reverse mathematics

Ph.D. Thesis, University of Connecticut, In preparation.

Reverse mathematics and marriage problems with finitely many solutions, with Jeffrey L. Hirst.

Archive for Mathematical Logic **55** (2016) 1015-1024.

Available online (DOI) [10.1007/s00153-016-0509-4](https://doi.org/10.1007/s00153-016-0509-4).

Reverse mathematics and marriage problems with unique solutions, with Jeffrey L. Hirst.

Archive for Mathematical Logic **54** (2015) 49-57.

Available online (DOI) [10.1007/s00153-014-0401-z](https://doi.org/10.1007/s00153-014-0401-z).

On the minuscule representation of type B_n , with William J. Cook.

Involvement **11** (2018), No. 5, 721-733.

Available online (DOI) [10.2140/involve.2018.11.721](https://doi.org/10.2140/involve.2018.11.721)

Reverse Mathematics: Calibrating Logical Strength in Mathematics

Honors Undergraduate Thesis, Appalachian State University, 2014.

Invited Presentations and Participation

Department of Mathematical Sciences Colloquium October 2020
Appalachian State University

Reverse Mathematics of Combinatorial Principles September 2019
CMO/BIRS Workshop 19w5111
Casa Matemática Oaxaca

AMS Spring Eastern Sectional Meeting, Special Session on Computability Theory April 2019
University of Connecticut

New England Recursion and Definability Seminar Springfield College	November 2018
SIGMA Seminar University of Connecticut	March 2018
STEM Seminar Appalachian State University	January 2015
Ghent University Ghent, Belgium	March 2014

Contributed Presentations

IMS Graduate Summer School in Logic National University of Singapore	July 2019
ASL Annual North American Meeting University of Connecticut	May 2016
ASU Mathematical Sciences Colloquium Series Appalachian State University	March 2015
MAA South Eastern Section Spring Meeting University of North Carolina Wilmington	March 2015
Joint Mathematics Meetings San Antonio, TX	January 2015
UNCG Regional Mathematics and Statistics Conference University of North Carolina Greensboro Outstanding Graduate Student Presentation	November 2014
National Conference on Undergraduate Research University of Kentucky	April 2014
ASU Department of Mathematical Sciences Colloquium Series Appalachian State University	March 2014
North Carolina Honors Association Conference Appalachian State University	October 2013
ASU Department of Mathematical Sciences Colloquium Series Appalachian State University	April 2013
MAA South Eastern Section Spring Meeting Winthrop University	March 2013
UNCG Regional Mathematics and Statistics Conference University of North Carolina Greensboro	November 2012
North Carolina Council of Teachers of Mathematics Annual Conference Greensboro, NC	October 2012

Teaching Experience

Math 1131Q: <i>Calculus I</i> – teaching assistant	Fall 2020
Math 2210Q: <i>Applied Linear Algebra</i> – teaching assistant	Summer 2020

Math 2210Q: <i>Applied Linear Algebra</i> – instructor of record	Fall 2019
Math 2210Q: <i>Applied Linear Algebra</i> – instructor of record	Spring 2019
Math 2110Q: <i>Multivariable Calculus</i> – teaching assistant	Fall 2018
<i>Calculus I</i> – instructor for UConn BRIDGE	Summer 2018
Math 2410Q: <i>Elementary Differential Equations</i> – instructor of record	Spring 2018
Math 2110Q: <i>Multivariable Calculus</i> – instructor of record	Fall 2017
Math 2410Q: <i>Elementary Differential Equations</i> – instructor of record	Spring 2017
Directed Reading Program: <i>Computability Theory</i> by Rebecca Weber – mentor	
Math 1132Q: <i>Calculus II</i> – teaching assistant	Fall 2016
Directed Reading Program: <i>Naive Set Theory</i> by Paul Halmos – mentor	
Math 1132Q: <i>Calculus II</i> – teaching assistant	Spring 2016
Math 1020: <i>Problem Solving</i> – instructor of record	Fall 2015
MAT 1020: <i>College Algebra with Applications</i> – instructor of record	Spring 2015
MAT 1020: <i>College Algebra with Applications</i> – instructor of record	Fall 2014

Employment History

Stemify – Farmington, CT	Summer 2020 – Present
<i>Independent Contractor (Mathematical Education Consultant)</i>	
Create multiple choice problem and solution banks for a variety of mathematical topics.	
COMAP, Inc. – Bedford, MA	Fall 2019 – Present
<i>Triage judge</i>	
Judge submissions to the Mathematical Contest in Modeling and the High School Mathematical Contest in Modeling.	
University of Connecticut – Storrs, CT	Fall 2015 – Present
<i>Teaching Assistant</i>	
Instruct undergraduate mathematics courses.	
Appalachian State University – Boone, NC	Fall 2014 – Spring 2015
<i>Teaching Assistant</i>	
Instruct introductory general education mathematics courses.	
Appalachian State University – Boone, NC	Summer 2013 – Spring 2014
<i>Instructional Assistant</i>	
Lead study halls, provide supplemental instruction and materials, and write answer keys. Courses assisted include Calculus I, II and Techniques of Proof.	
Appalachian State University University Tutoring Services – Boone, NC	2012 – 2014
<i>University Tutoring Services Lab General Math Tutor</i>	
<i>General Math Help Lab Tutor</i>	
Appalachian State University – Boone, NC	2012
<i>Coach – High Country Robotic Camp for Grades 6 - 12 Coach</i>	
<i>Coach – ASU Math Camp Coach</i>	

Professional Organizations

Member – Association of Symbolic Logic	August 2017 – Present
Member – American Mathematical Society	November 2014 – Present
Member – Pi Mu Epsilon	April 2014 – Present
Member – Phi Kappa Phi	March 2013 – Present

Awards and Scholarships

Doctoral Dissertation Fellowship	2020
Louis J. De Luca Outstanding Teaching Assistant Award	2019
Chancellor’s Fellowship	Fall 2014 – Spring 2015
Outstanding Graduate Presentation Award	2014
North Carolina Teaching Fellows Scholarship	Fall 2011 – Spring 2013
Mary Cain Academic Scholarship	Fall 2012 – Spring 2013
GEAR UP Tuition Assistance Scholarship	Fall 2011 – Spring 2015
Dean’s List, Appalachian State University	Fall & Spring 2011 – 2013
Chancellor’s List, Appalachian State University	Fall & Spring 2011 – 2013
Dean’s List, Caldwell Community College	Summer 2012