

- CONTACT INFORMATION      Mathematics Program      Phone: (859) 238-5916  
Centre College      Email: joel.kilty@centre.edu  
600 West Walnut Street  
Danville, KY 40422
- EDUCATION      University of Kentucky  
Ph.D., Mathematics, August 2009  
Advisor: Dr. Zhongwei Shen  
Thesis Title:  $L^p$  Boundary Value Problems on Lipschitz Domains  
  
M.A., Mathematics, May 2006  
  
Asbury College, B.A. in Mathematics, Magna Cum Laude, May 2004
- PROFESSIONAL EXPERIENCE      Centre College  
Associate Professor of Mathematics, September 2015-Present  
Margaret V. Haggin Associate Professor of Mathematics, September 2021-Present  
Elizabeth Molloy Dowling Associate Professor of Mathematics, September 2017-August 2020  
Assistant Professor of Mathematics, August 2009-August 2015  
Course load of three courses per semester  
*Courses Taught:*  
FYS 139 – Mathematics in Sports, Games, & Gambling  
MAT 130 – Introduction to Statistics  
MAT 140 – Differential Calculus with Review  
MAT 145 – Mathematical Modeling and Applied Calculus  
MAT 165 – Modern Calculus I  
MAT 185 – Modern Calculus II  
MAT 170 – Calculus I  
MAT 171 – Calculus II  
MAT 230 – Calculus III  
MAT 240 – Linear Algebra  
MAT 252 – Transform Methods  
MAT 270 – Mathematical Methods of Economics  
MAT 340 – Complex Variables  
MAT 360 – Differential Equations  
MAT 370 – Numerical Methods  
MAT 380 – Introduction to Real Analysis  
MAT 400 – Differential Geometry (Directed Study)  
MAT 401 – Lebesgue Integration (Independent Study)  
MAT 415 – Numerical Differential Equations  
MAT 421 – Numerical Linear Algebra
- BOOKS      *Mathematical Modeling & Applied Calculus*, with Alex M. McAllister, Oxford University Press  
New York, 2018, ISBN: 978-0-19-882472-5. A textbook for a 100-level mathematics course  
focused on modeling, data analysis, and applied calculus.  
Submitted December 2017. Published, November 2018.  
  
*Modern Calculus*, with Alex M. McAllister. In preparation.

- SOFTWARE PACKAGES *MMAC* – RStudio Package, Published July 2018  
RStudio package developed to support the book *Mathematical Modeling and Applied Calculus* (Oxford University Press). Available for download from <http://cran.r-project.org>
- PUBLICATIONS
1. *Collaboratively Re-envisioning Calculus for the Modern Student*, with Alex M. McAllister and Alison Marr, in *Justice through the lens of calculus: Framing new possibilities for diversity, equity, and inclusion*. Mathematical Association of America Notes, published electronically November 2021, 257-263. Abstract submitted February 2020, accepted March 2020. Article submitted June 2020, revised December 2020.
  2. *A Modeling Based Approach to Calculus* (with Alex M. McAllister), PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies, Volume 30, Issue 3, 316-334, February 2020.
  3. *The  $L^p$  Regularity Problem for the Stokes System on Lipschitz Domains* (with Jun Geng), J. Differential Equations **259** (2015), 1275-1296.
  4. *A bilinear estimate for biharmonic functions on Lipschitz Domains* (with Zhongwei Shen), Math. Ann. **349** (2011), no. 2, 367-394.
  5. *The  $L^p$  Regularity Problem on Lipschitz Domains* (with Zhongwei Shen), Trans. Am. Math. Soc. **363** (2011), no. 3, 1241-1264.
  6. *The  $L^p$  Dirichlet problem for the Stokes system on Lipschitz domains*, Indiana Univ. Math. J. **58** (2009), no. 3, 1211-1226.
- OTHER MANUSCRIPTS
- A Guiding and Informing Tale for Re-envisioning STEM Courses*, with Alison Marr and Alex M. McAllister, expository, January 2019, 14 pages.
- Mentor Manual for Cohort Meetings*, with Alison Marr and Alex M. McAllister, expository, August 2018, 45 pages
- GRANTS
- CTL Course Development Grant  
Course to be Developed: MAT 185 – Modern Calculus II  
Award amount \$1500, Summer 2019  
Co-written with Michael Lamar, Alex M. McAllister, and Prayat Poudel
- ACS Diversity and Inclusion Grant  
Project: Supporting Diversity and Inclusion in Mathematics and STEM Disciplines  
Role: Principal Investigator  
Award Amount: \$24,450 + \$2,000 planning grant  
Awarded: December 2017; Grant Period: 2018  
Cowritten with Alex M. McAllister and Alison Marr (Southwestern University)
- Centre College FDC Faculty Research Grants († indicates student collaboration)
- Summer 2021: *More Mathematical Writing on Modern Calculus*
  - Summer 2020: *Mathematical Writing on Modern Calculus*
  - Summer 2017: *Writing on Math Modeling and Applied Calculus*
  - Summer 2016: *More Mathematical Writing on Math. Modeling & Applied Calculus*
  - Summer 2015: *Mathematical Writing on Mathematical Modeling & Applied Calculus*†
  - Summer 2014: *Mathematical Writing on Mathematical Modeling & Applied Calculus*†
  - Summer 2013: *Boundary Value Problems for the Polyharmonic Equation*
  - Summer 2012: *Solvability of Laplace's Equation on a Special Class of Lipschitz Domains*†
  - Summer 2010: *Duality between  $L^p$  Dirichlet and regularity problems for the Stokes system*

CTL Teaching with Technology Mini Grant  
Project: Deepening the Discussion – A Video Series for MAT 145  
Award Amount \$600, Spring 2016  
Cowritten with Alex M. McAllister

CTL Course Development Funding  
Course to be developed: MAT 145 – Applied Calculus and Mathematical Modeling  
Award Amount \$1,500, Spring 2013  
Cowritten with Alex M. McAllister

Academy for Inquiry-Based Learning Small Grants Program  
Education Advancement Foundation  
Award Amount: \$10,000  
Cowritten with Jeffrey Heath, Received October 2009

HONORS &  
AWARDS

Maragaret V. Haggin Associate Professor of Mathematics  
September 1, 2021 - Present

Elizabeth Molloy Dowling Associate Professor of Mathematics  
September 1, 2017- August 31, 2020

Sabbatical Leave for Spring 2018 (3 course release)  
Project: *L<sup>p</sup> Boundary Value Problems for Elliptic Systems on Lipschitz Domains*

Honor Walk Talent Recipient – 2013, 2017

Centre College Stodghill Research Professorship for AY 2014-2015  
Project: *L<sup>p</sup> Boundary Value Problems for Elliptic Systems on Lipschitz Domains*

Project NExT (New Experiences in Teaching) Fellow, 2010-2011

Wimberly C. Royster Outstanding Teaching Assistant Award  
University of Kentucky, Department of Mathematics, AY 2007-2008

Kentucky Opportunity Fellowship  
University of Kentucky, AY 2007-2008

Max Steckler Fellowship  
University of Kentucky, AY's 2006-2007, 2008-2009

CONFERENCE &  
SEMINAR TALKS

*Promoting Diversity, Equity, and Inclusion through Redesigning Calculus*  
with Alex M. McAllister  
Teaching & Learning Seminar, Department of Mathematics, University of Kentucky, February 2022

*Redesigning Calculus - Incorporating Technology to Increase Accessibility & Persistence in STEM* with Alex M. McAllister & Prayat Poudel  
Joint Mathematics Meetings, Seattle, WA, January 2022. Postponed to virtual in April 2022.

*DEI Problems in Mathematics and Some Possible Responses*

with Alex M. McAllister & Prayat Poudel

MAA Mathfest, virtual conference, August 2021

*A Re-envisioning of the Calculus Sequence for the Modern Student*

with Alison Marr, Alex M. McAllister, & John Ross

Joint Mathematics Meetings, Denver, CO, January 2020

*Calculus: Origins, Reforms, and New Directions*

with Robin Cruz, Thomas Halverson, Alison Marr, Alex M. McAllister, & Chad Topaz

Joint Mathematics Meetings, Denver, CO, January 2020

*Beyond Leaky Pipes: Fostering Pathways and Persistence in the Mathematical Sciences*

with Ranthony Edmonds, Alison Marr & Alex M. McAllister

MAA Mathfest, Cincinnati, OH, August 2019

*Mathematical Modeling and Applied Calculus* with Alex M. McAllister

MAA Mathfest, Cincinnati, OH, August 2019

*Enabling Student Persistence and Success in the Calculus Sequence* with Alex M. McAllister

KYMAA Annual Meeting, Danville, KY, April 2019

*Developing Computing Skills in Calculus Courses* with Alex M. McAllister and Alison Marr

Joint Mathematics Meetings, Baltimore, MD, January 2019

*Enabling Student Persistence and Success in the Calculus Sequence* with Alex M. McAllister

and Alison Marr, Joint Mathematics Meetings, Baltimore, MD, January 2019

*Envisioning a New Calculus Sequence* with Alex M. McAllister & Alison Marr

AAC&U Transforming STEM Higher Education Conference, Atlanta, GA, November 2018

*Math. Modeling & Applied Calculus: An Integrated Approach for Less-Prepared Students*

with Alex M. McAllister, Joint Mathematics Meetings, Atlanta, GA, January 2017

*Mathematical Modeling and Applied Calculus* with Alex M. McAllister

KYMAA Annual Meeting, Northern Kentucky University, March 2016

*Mathematical Modeling and Applied Calculus* with Alex M. McAllister

Joint Mathematics Meetings, Seattle, WA, January 2016

*Blending Mathematical Modeling and Calculus: A Data-Driven Approach to Calculus*

Joint Mathematics Meetings, San Antonio, TX, January 2015

*$W^{1,p}$  estimates for the Stokes system on Lipschitz domains*

AMS Fall Southeastern Sectional Meeting, University of Louisville, October 2013

*The  $L^p$  regularity problem for the Stokes system on Lipschitz domains*

Joint Mathematics Meetings, San Diego, CA, January 2013

*Duality of the  $L^p$  Dirichlet and regularity problems for elliptic systems on Lipschitz domains*

Midwest PDE Seminar, University of Illinois, Urbana-Champaign, March 2011

*Boundary value problems for partial differential equations*  
University of North Carolina, Asheville, October 2010

*Boundary value problems for partial differential equations*  
Centre College, October 2010

*The  $L^p$  regularity problem for the biharmonic equation on Lipschitz domains*  
AMS Spring Southeastern Sectional Meeting, University of Kentucky, March 2010

*Duality between the Dirichlet and regularity problems for second order elliptic systems*  
Recent Advances in Harmonic Analysis and PDE, University of Virginia, May 2009

*Duality between the Dirichlet and regularity problems for second order elliptic systems*  
Prairie Analysis Seminar, University of Kansas, November 2008

*The  $L^p$  regularity and Dirichlet problems for second order elliptic systems*  
PDE/Analysis Seminar, University of Kentucky, September 2008

*The  $L^p$  Dirichlet problem for the Stokes system on Lipschitz domains*  
PDE/Analysis Seminar, University of Kentucky, April 2008

*The  $L^p$  Dirichlet problem for the Stokes system on Lipschitz domains*  
AMS Sectional Meeting, Louisiana State University, March 2008

PANELS

*Leveraging Technology for Engaged Teaching and Learning*  
CTL Pedagogy Lunch, April 18, 2017

*A Career as a Mathematics Professor*, Spencer County High School, October 2015

*So, you think you want to go to Graduate School?*  
Career Services, Centre College. Fall 2011 & Fall 2012

CONFERENCE  
SESSIONS &  
WORKSHOPS  
ORGANIZED

*Engaging Students Through Modeling Hands-on Projects and Innovative Exploratory Approaches*. Invited Paper Session, Joint Mathematics Meeting, January 2022. Postponed to virtual in April 2022.  
Co-organized with Rachel Grotheer, Alison M. Marr, Alex M. McAllister, and Stephen M. Walk

*Promoting Diversity, Equity, Inclusion, and Social Justice*  
Contribution Paper Session, MAA Mathfest, virtual conference, August 2021  
Co-organized with Robin Cruz, Alex M. McAllister, and Prayat Poudel

*More than Math: Resilience, Growth Mindset, and Transferable Skills*  
Contributed Paper Session, Mathfest, Philadelphia, PA, August 2020  
Co-organized with Sean Droms, Sara Malec, Alex M. McAllister, and Prayat Poudel  
Conference Cancelled.

*Diversity, Equity, and Inclusion in Mathematics* (Contributed Paper Session)  
Mathfest, Philadelphia, PA, August 2020  
Co-organized with Annalisa Crannell, Robin Cruz, Ranthony A.C. Edmonds, Alex M. McAllister, and Chad Topaz. Conference Cancelled.

*Backwards Course (Re)Design*

CTL Faculty Workshop. Centre College. Co-organized with Alex M. McAllister  
February 2020

*Re-envisioning the Calculus Sequence* (Contributed Paper Session)

Joint Mathematics Meetings, Denver, CO, January 2020

Co-organized with Robin Cruz, Tom Halverson, Alison Marr, Alex M. McAllister  
and Chad Topaz

*Diversity, Equity, and Inclusion in Mathematics* (Contributed Paper Session)

Mathfest, Cincinnati, OH, August 2019

Co-organized with Alex M. McAllister, Alison Marr, and Ranthony Edmonds

*Re-envisioning the Calculus Sequence Workshop*

Centre College, Danville, KY June 26-27, 2018

Co-organized with Alex M. McAllister and Alison Marr (Southwestern University)

*MAA Session on Flipped Classes: Implementation and Evaluation*

Joint Mathematics Meetings, San Diego, CA, January 2018

Co-organized with Alex M. McAllister and John H. Wilson

*MAA Minicourse: (Re)Designing Your Own Course*

Joint Mathematics Meetings, Atlanta, GA, January 2017

Co-developed and taught with Alex M. McAllister

*MAA Session on Mathematical Technology in the Calculus Classroom*

Joint Mathematics Meetings, Atlanta, GA, January 2017

Co-organized with Alex M. McAllister

*MAA Session on Innovative Approaches to One-Semester Calculus Courses*

Joint Mathematics Meetings, Seattle, WA, January 2016

Co-organized with Alex McAllister

The Project NExT Colloquium at The Joint Mathematics Meetings

New Orleans, January 2011

Coordinated the planning of the blue10 Fellows' Sessions

Co-coordinated with Elizabeth Thoren (UC, Santa Barbara)

Inquiry-Based Learning in Mathematics Workshop

Centre College, Danville, KY, July 15, 2010

Co-organized with Jeffrey Heath

Funded by the Academy of Inquiry-Based Learning Small Grants Program

Special Session on Function Theory, Harmonic Analysis, and Partial Differential Equations

AMS Sectional Meeting, Lexington, KY, March 2010

Co-organized with Katherine Ott and Irina Mitrea

RESEARCH  
CONFERENCES  
ATTENDED

Joint Mathematics Meetings, Seattle, WA, January 2022. Postponed to virtual in April 2022.

Joint Mathematics Meetings, Denver, CO, January 2020

Joint Mathematics Meetings, Baltimore, MD, January 2019

Joint Mathematics Meetings, San Diego, CA, January 2018

Joint Mathematics Meetings, Atlanta, GA, January 2017  
 Joint Mathematics Meetings, Seattle, WA, January 2016  
 Joint Mathematics Meetings, San Antonio, TX, January 2015  
 Joint Mathematics Meetings, Baltimore, MD, January 2014  
 AMS Sectional Meeting, University of Louisville, October 2013  
 Joint Mathematics Meetings, San Diego, CA, January 2013  
 Joint Mathematics Meetings, Boston, MA, January 2012  
 Midwest PDE Seminar, University of Illinois, Urbana Champaign, March 2011  
 Joint Mathematics Meetings, New Orleans, LA, January 2011  
 AMS Sectional Meeting, University of Kentucky, March 2010  
 Recent Advances in Harmonic Analysis and PDE, University of Virginia, May 2009  
 The 4th Symposium on Analysis and PDE, Purdue University, May 2009  
 Joint Mathematics Meeting, Washington, D.C., January 2009  
 Prairie Analysis Seminar, University of Kansas, November 2008  
 AMS Sectional Meeting, Louisiana State University, March 2008  
 Midwest Partial Differential Equations Seminar, University of Kentucky, March 2007

OTHER  
 CONFERENCES &  
 WORKSHOPS  
 ATTENDED

MAA Mathfest 2021, virtual conference, August 2021  
 2021 Spring Meeting of the KYMAA, virtual conference, March 2021  
 MAA Mathfest 2019, Cincinnati, OH, August 2019  
 AAC&U PKAL STEM Leadership Institute, July 2019  
 2019 Spring Meeting of the KYMAA, Centre College, March 2019  
 AAC&U Transforming STEM Higher Education, Atlanta, GA, November 2018  
 2017 Spring Meeting of the KYMAA, Berea College, March 2017  
 Bluegrass Higher Education Consortium's Academic Leadership Academy, Spring 2016  
 2016 Spring Meeting of the KYMAA, Northern Kentucky University, April 2016  
 2015 Spring Meeting of the KYMAA, Morehead State University, March 2015  
 4th Annual Bluegrass Undergraduate Mathematics Symposium, October 2014, Attended  
 CIC/Walmart Foundation Symposium on First-Generation College Students, July 2014  
 3rd Annual Bluegrass Undergraduate Mathematics Symposium, September 2013, Attended  
 Modeling: Early and Often in Undergraduate Calculus, MAA PREP Workshop, July 2013  
 2013 Spring Meeting of the KYMAA, Transylvania University, March 2013  
 Functions, Parameters, and Fitting for Teaching Calculus Workshop, January 2013  
 2nd Annual Bluegrass Undergraduate Mathematics Symposium, September 2012, Attended  
 2012 Spring Meeting of the KYMAA, Bellarmine University, March 2012  
 1st Annual Bluegrass Undergraduate Mathematics Symposium, September 2011, Attended  
 14th Annual Legacy of R.L. Moore Conference, Washington, D.C., June 2011  
 2011 Spring Meeting of the KYMAA, Eastern Kentucky University, March 2011  
 The Project NExT Colloquium, Joint Mathematics Meetings, New Orleans, LA, January 2011  
 MathFest 2010, Pittsburgh, PA, August 2010  
 Project NExT: New Jobs, New Responsibilities, New Ideas, Pittsburgh, PA, August 2010  
 Inquiry-Based Learning in Mathematics Workshop, Centre College, July 2010  
 13th Annual Legacy of R.L. Moore Conference, Austin, TX, June 2010  
 ACS Inquiry-Based Learning Workshop, Austin, TX, July 2009  
 12th Annual Legacy of R.L. Moore Conference, Austin, TX, July 2009

STUDENT  
 ENGAGEMENT  
 ACTIVITIES

Spring 2021, 3 Hr Independent Study with Daniel McAllister  
 Course Title: Lebesgue Integration  
 Fall 2016-Spring 2021: Mentor for Brown Fellow Classes of 2020 and 2021

January 2017: Faculty Supervisor for Mary Allen's Academic Internship  
*Agricultural Internship in Hawaii*

Spring 2016: Centre-of-Attention Day – *Dynamic Population Dynamics*

Fall 2015: Faculty Supervisor for Sam Aguiar's Academic Internship  
*Athletic Administrator Internship*

Summer 2015: Matthew O'Brien, Abby Quirk-Royal, Melissa Stravitz, William Thackery  
FDC Collaborative Research Project: *Mathematical Writing on Mathematical Modeling*

Summer 2014: Adrienne Kinney, Anne Wilson, and Monica Fitch  
FDC Collaborative Research Project: *Mathematical Writing on Mathematical Modeling*

CentreTerm 2013: Faculty Supervisor for Amber Martin's Academic Internship  
*Exploration and Application in Secondary Mathematics Education*

Summer 2012: Molly Howell  
FDC Collaborative Research Project: *Laplace's Equation on the Perturbed Upper Half Plane*

Summer 2011: Faculty Supervisor for Cameron Fishman's Academic Internship  
*Research and Marketing in Life Insurance & Financial Planning*

Spring 2011: 3 Hr Directed Study with Dannyielle Blanchard  
Course Title: MAT 400, Differential Geometry

OTHER  
SCHOLARLY  
ENDEAVOURS

Backwards Course Design with Alex M. McAllister, CTL Faculty Workshop, Feb. 2020  
Science and Math Inclusive Classroom, Faculty Learning Circle, Centre College, AY 2019-20  
Backwards Course Design with Alex M. McAllister, Summer Faculty Workshop, August 2019  
Book proposal reviewer for Oxford University Press, 2018, 2020  
Scholarship of Teaching and Learning FLC, 2017-2018 (occasional participant)  
*Using the Playback Screencast Creator to Create Supplemental Instructional Videos*, Spring 2017  
Faculty Learning Community – Effective Learning Strategies for Students with ASD (2013-14)  
Faculty Learning Community – Teaching as Storytelling (2014)  
Study on *The effect of mathematical modeling on quantitative literacy* with Alex M. McAllister

SERVICE TO  
CENTRE

*Elected Committee Chair*  
Committee on Curriculum and Academic Standards, Fall 2019-Spring 2020

*Appointed Committee Chair*  
Mathematics Program Chair, Fall 2020 - Present  
Enrollment Management Committee, Fall 2012 -Fall 2014  
First-Year Book Committee, Fall 2012 - Spring 2014

*Elected Committee Member*

Committee on Curriculum and Academic Standards, Fall 2018-Spring 2020  
Faculty Steering Committee, Fall 2019 - Spring 2020 (CCAS Chair)  
Committee on Tenure and Reappointment, Fall 2016 - Spring 2018  
Faculty Steering Committee, Division III Rep., Fall 2013 - Spring 2016, Spring 2019  
College Council, At-Large Member, Fall 2011 - Spring 2014

*Appointed Committee Member*

First-Year Book Committee, Fall 2010 - Spring 2018  
CTL Advisory Board, Fall 2015 - Spring 2017  
CCPD Advisory Committee, Fall 2012-Spring 2014, Winter 2016-Spring 2017  
Athletics & Recreation Committee, Fall 2015-Spring 2016  
Grissom Scholars Advisory Committee, Fall 2014 - Spring 2015  
Academic Internship Working Group (JGB Foundation Grant), Spring 2014  
College Council Steering Committee, Fall 2013 - Fall 2015  
Enrollment Management Committee, Fall 2010 - Fall 2014  
Lab Safety Committee, Fall 2014-Spring 2015

*Academic Program Committee*

Mathematics, Fall 2009 - Present

*Search Committees*

Mathematics Faculty – 1 yr visiting (hired Timothy McEldowney), Spring 2021  
Mathematics Faculty – Mellon Tenure Track (hired Prayat Poudel), Spring 2017  
Mathematics Faculty – 3 yr visiting (hired Zhexiu Tu), Spring 2017  
Mathematics Faculty – Tenure Track (hired Michael Lamar), Fall 2015 - Spring 2016  
Mathematics Faculty – 1 yr visiting (hired Charlie Suer), Spring 2015  
Chemistry Faculty – Tenure Track (hired Lenny Demoranville), Fall 2013  
Director of Financial Aid Search Committee (hired Kevin Lamb), Summer 2013  
Biology Faculty – 1yr visitng (hired Scott Shreve), Fall 2012 - Spring 2013  
Mathematics Faculty – 3 yr visiting (hired Ellen Swanson), Fall 2011 - Spring 2012

*Other Service to Centre*

Brown Fellow Mentor, Fall 2016 - Spring 2021  
Grissom Scholar Selection, Spring 2015, 2016, 2017  
Faculty Liaison to Men's Lacrosse, Fall 2012 - Spring 2014  
Faculty Mentor to Lenny Demoranville, Fall 2012 - Spring 2013  
Faculty Sponsor for the Cycling Club, Fall 2010 - Spring 2012

ADVISING

Major Advisor for the following students:

*Class of 2012:* Cameron Fishman, Grant Hinton, Will Keyer, Brian Saulino  
*Class of 2013:* Elizabeth Donelan, Lauren Foley, Amber Martin, Kelli Schierloh  
*Class of 2014:* Clayton Brown, Elizabeth Miller, Chris Phillips  
*Class of 2015:* Jami Brunner, Tristan Conroy, Luke Hinshelwood  
*Class of 2016:* Emma Schreiner, Sam Spees, Haofei Zou  
*Class of 2017:* Shelby Adams, Hannah Banks, Ian Black, Adrienne Kinney  
*Class of 2018:* Austin Lotspeich, Nathan Riggs  
*Class of 2019:* Prashant Chakradhar, Aurther Johnson, Jacob Roth, Yifan Ye  
*Class of 2020:* Parker Selin  
*Class of 2021:* Amanda Flatt, Jack Shannon  
*Class of 2022:* Luke Hussung, Natalie Cha Olguin, Josh Olliges  
*Class of 2023:* Seoyoung Hu

Underclass Advisor for the following students:

*Class of 2014:* Jeffrey Elam, Charlton Hoy, Catherine Hunter, Sarah Lulich,  
Michael Orr, Kristin Raque, Edward Roberts, Leah Storch

*Class of 2016:* Sean Dunn, Julie Gates, Han He, Victor Pataky, Aubrey Russak-Pribble,  
Emma Schreiner, Madelyn Schartz, Sam Spees, Jean VanNoppen, Haofei Zou

*Class of 2018:* Natalie Appel, Bradley Baker, Justin Dominique, Jill Edington  
Molly Holder, Henry Nguyen, Sully Smoak, Allison Walther, Tyree Wilmoth

*Class of 2020:* Cruz Avendano Dreyfuss, Kaitlyn Freeman, Hannah Hooper  
Manasaa Kannan, Stephanie Keller, Rachel Moore, Ande Peersen  
Henry Snyder, Kevin Wagoner, Mary Yang (Brown Fellows)

*Class of 2021:* Will Hardy, Kate Himick, Injee Hong, Amelia Lorrey, Luke Martin,  
Makena Mette, Austin Shotwell, Delia Smith, Maggie Sunseri  
Brendan Zink (Brown Fellows)

*Class of 2025:* Jackson Arnold, Madhu Gunasena, Emma Howell, Francisco Lacson,  
Abigail Oaks, Elida Rodriguez, Bailey Rucker, Jonah Stephens, Tim Trieu

OTHER SERVICE  
ACTIVITIES

MAA Committee on Mincourses, Member, January 2017-Present  
Secretary of the KYMAA (Kentucky Section of MAA), Spring 2018-Spring 2021  
Site coordinator for KYMAA Annual Spring Meeting at Centre College, Spring 2019  
Vice-Chair of the KYMAA (Kentucky Section of MAA), Fall 2013 - Spring 2016  
Judge, MAA Undergraduate Student Poster Session, Joint Mathematics Meetings, January 2014  
Abstract Reviewer, National Conference for Undergraduate Research, December 2013  
Judge, MAA Undergraduate Student Poster Session, Joint Mathematics Meetings, January 2013  
Liaison Coordinator for the KYMAA (Kentucky Section of MAA), Fall 2010 to Present  
Reviewer for Mathematical Reviews  
Led 3 Central Kentucky High School Math Circle meetings, University of Kentucky  
Referee for Indiana University Mathematics Journal  
Judge, MAA Undergraduate Student Poster Session, Joint Mathematics Meetings, January 2011

PROFESSIONAL  
MEMBERSHIPS

Mathematical Association of America (MAA)  
Pi Mu Epsilon