CURRICULUM VITAE

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Current Position

Researcher, Center for Economic Education and Entrepreneurship (CEEE) University of Delaware (UD), 2024 – Present

Education

Ph.D., Economic Education, University of Delaware, 2018

M.A., History, Villanova University, 2004

B.S.E., Social Studies Education (Magna Cum Laude), Millersville University of Penn., 1998

Areas of Specialization

Research Interests: Economic Education, Economics of Education

Teaching Interests: Introductory Economics, Intermediate and Applied Microeconomics

Job Market Paper

"The Use of Artificial Intelligence (AI) in Undergraduate Economics Courses: Results from the Seventh National 'Chalk and Talk' Survey," with Carlos J. Asarta and Cynthia Harter, 2025.

Abstract: This study uses data from the 2025 national quinquennial "Chalk and Talk" survey to examine how instructor, departmental, and institutional characteristics affect undergraduate economics instructors' use of AI in teaching and their stances on student use of AI tools. Results suggest significant differences in AI integration and openness to student use of AI tools by instructor experience and institutional type, along with varied perspectives on AI adoption.

Academic Experience

Part-Time Faculty, Economics, Eastern Kentucky University (EKU), 2025 – Present Assistant Professor of Economics, Oklahoma State University (OSU), 2018 – 2024 Dissertation Fellow, Department of Economics, UD, 2017 – 2018 Graduate Instructor, Department of Economics, UD, 2013 – 2017

Publications (in reverse chronological order)

Journal Articles

- 1. "Teaching with FRED and Active-Learning Methods in Introductory Economics Courses," with Diego Mendez-Carbajo. 2025. *International Review of Economics Education*, 49: 100314. https://doi.org/10.1016/j.iree.2025.100314
- 2. "Factors Contributing to the Use of Diversity, Inclusion, and Gender Examples in Undergraduate Economics Courses: Findings from the National 'Chalk-and-Talk' Survey," with Carlos J. Asarta and Cynthia Harter. 2024. *Journal of Education for Business*, 99(3): 164–174. https://doi.org/10.1080/08832323.2023.2293721

- 3. "Gender and Intermediate Microeconomics Course Performance: Does Course Type Matter?" with David M. Switzer. 2024. *The American Economist*, 69(1): 88–107. https://doi.org/10.1177/0569434523121451
- 4. "Teaching Methods and Materials in Undergraduate Economics Courses: School, Instructor, and Department Effects," with Cynthia Harter and Carlos J. Asarta. 2023. *International Review of Economics Education*, 44: 100270. https://doi.org/10.1016/j.iree.2023.100270
- 5. "Promoting Economic Literacy: Combining News Articles and Clicker Questions in a Large Introductory Microeconomics Course," 2021. *The Journal of Economic Education*, 52(4): 334–342. https://doi.org/10.1080/00220485.2021.1963372
- 6. "Does Advanced Placement Economics Exam Participation and Performance Predict Undergraduate Economics Major Completion?" 2021. *The American Economist*, 66(1): 110–127. https://doi.org/10.1177/0569434520973682
- 7. "The Gender Gap in Undergraduate Economics Course Persistence and Degree Selection," with Carlos J. Asarta. 2019. *AEA Papers and Proceedings*, 109: 255–260. https://doi.org/10.1257/pandp.20191103
- 8. "Exploring Increasing Income Inequality in the U.S.: A Public Choice Approach," with Franklin G. Mixon, Jr. and Kamal P. Upadhyaya. 2019. *Compensation and Benefits Review*, 50(4): 181–188. https://doi.org/10.1177/0886368719842726.
- 9. "'Another Day, Another Vlog': The Alchian-Allen Theorem, Social Media, and Long-Distance Relationships," with Franklin G. Mixon, Jr. 2018. *Perspectives on Economic Education Research*, 11(1): 88–97.

Books/Edited Volumes

War Movies and Economics: Lessons from Hollywood's Adaptations of Military Conflicts, with Franklin G. Mixon, Jr. (Eds.). 2020. New York: Routledge.

Book Chapters

"The Private Provision of a Public Good: An Examination of Hollywood's Adaptation of the Third Servile War," with Franklin G. Mixon, Jr. In *War Movies and Economics: Lessons from Hollywood's Adaptations of Military Conflicts*. 2020. New York: Routledge, 43–61.

"Navigating the Economics Major: The Effect of Gender on Students' Degree Pathways," with Carlos J. Asarta. In J. Hall and K. Lawson (Eds.), *Teaching Economics: Perspectives on Innovative Economics Education*. 2019. New York: Springer Publishing Co., 115–136.

Grant Research

"The Status of Women in Oklahoma: A Summary Report to United WE," with Malabi Dass. April 2022. United WE (Women's Empowerment).

Newsletters

"What We Know About Gender Differences in Economics Degree Attainment," Spring/Summer 2023. *EconEd News*, AEA Committee on Economic Education.

Curriculum and Instruction

- "Economics Terms A-Z: Ultimatum Game" August 2023. INOMICS: The Site for Economists, Inomics.com.
- "Economics Terms A-Z: Stag Hunt," July 2023. INOMICS: The Site for Economists, Inomics.com.
- "Sweet Potato Pie," 2015. Lesson Plan, St. Louis Federal Reserve Bank.

Research and Contributions in Progress

Under Review/Revise and Resubmit

"Gender Differences in Money and Banking Course Enrollment and Economics Degree Completion," 2021 - 2025.

Working Papers

- "The Use of Artificial Intelligence (AI) in Undergraduate Economics Courses: Results from the Seventh National 'Chalk and Talk' Survey," with Carlos J. Asarta and Cynthia Harter, 2025.
- "Assessment Trends in College Economics: Insights from a Seventh National Quinquennial Survey," with Cynthia Harter and Carlos J. Asarta, 2025.
- "Principles of Economics Course Enrollment and Persistence Among First-Generation and Native American Students," 2024 2025.
- "More Bang for Your Buck: The Effects of Flat Rate Tuition on University Course Loads, Performance, and Major Selection," with Brent Norwood, 2021 2025.

Works in Progress

"Teaching Methods and Materials in College Introductory Economics Courses: Results from the Seventh 'Chalk and Talk' National Survey," with Carlos J. Asarta and Cynthia Harter, 2025.

Economic Education and Professional Experience

Member, American Economic Association Committee on Economic Education, 2023 – Present **Program Coordinator,** UD Center for Economic Education and Entrepreneurship (CEEE)

Foundations of Financial Literacy, 2025 – Present

Siegfried Youth Leadership Program, 2024 – Present

Member, Society of Economic Educators, 2025 – Present

Professor, Foundation for Teaching Economics (FTE), 2021 – Present

Reviewer, Voluntary National Content Standards in Economics, Council for Economic Education, 2024

Member, Board of Directors, Oklahoma Council on Economic Education, 2021 – 2024

Member, Advisory Council, Center for Economy Studies, 2023 – Present

Graduate Assistant, University of Delaware

M.A. in Economics and Entrepreneurship for Educators, 2015, 2017

Delaware Social Studies Education Project, 2012 – 2013

Teaching Experience

Eastern Kentucky University

Economic Reasoning and Ideas, (40–45 students, online), Spring 2026 (upcoming)

Oklahoma State University

Microeconomic Principles for Business, (90–100 students, hybrid and in-person), 2018 – 2024

University of Delaware

Economic Issues and Policies (45 students, in-person), 2013 – 2017

Introduction to Macroeconomics, (45 students, in-person), 2015

Tredyffrin/Easttown School District (TESD), Conestoga High School

Social Studies, Advanced Placement Macroeconomics and Microeconomics, 2001 – 2014

Honors and Awards

Rising Researcher Award, National Association of Economic Educators, 2022

Nominated, Greiner Outstanding Teaching Award, OSU, 2022, 2024

Phil Saunders Best Economic Education Paper Award, "Does Taking a Principles of Economics Course Online Influence Student Performance in Intermediate Economics Courses?" with Carlos J. Asarta and David M. Switzer, National Association of Economic Educators, 2020

University Dissertation Fellow Award, University of Delaware, 2017

Joan M. Williams Scholarship, Millersville University of Pennsylvania, 1997

Professional Activities (*Scheduled)

Invited Presentations

- "Principles of Economics Course Enrollment and Persistence Among First-Generation and Native American Students," Society of Economic Educators (SEE) 2025 Annual Meeting, Philadelphia, PA, *March* 2025
- "Promoting Economic Literacy: Combining News Articles and Clicker Questions in a Large-Format Course," Keynote Address, 2022 St. Louis Fed Professors Conference, St. Louis, MO, *November 2022*
- "Teaching Methods in Undergraduate Economics Courses: School, Department, and Instructor Effects," with Carlos J. Asarta and Cynthia Harter, University of Oklahoma, *April 2022*
- "Women and the Undergraduate Economics Major," University of Delaware, April 2019

Conference Presentations

- "The Use of Artificial Intelligence (AI) in Undergraduate Economics Courses: Results from the Seventh National 'Chalk and Talk' Survey," with Carlos J. Asarta and Cynthia Harter, ASSA/AEA Annual Meetings, Philadelphia, PA, *January 2026**
- "Assessment Trends in College Economics: Insights from a Seventh National Quinquennial Survey," with Cynthia Harter and Carlos J. Asarta, Conference on Teaching and Research in Economic Education (CTREE), Atlanta, GA, *May 2025*
- "Factors Contributing to the Use of Diversity, Inclusion, and Gender Examples in Undergraduate Economics Courses: Findings from the National 'Chalk-and-Talk' Survey," with Carlos J. Asarta and Cynthia Harter, Women's Leadership Initiative Gender Equity Research Symposium, University of Delaware, *March* 2025
- "Principles of Economics Course Enrollment and Persistence Among First-Generation and Native American Students," ASSA/AEA Annual Meetings, San Francisco, CA, *January* 2025
- "Teaching with FRED and Active-Learning Strategies in Introductory Economics Courses," with Diego Mendez-Carbajo, Conference on Teaching and Research in Economic Education (CTREE), Atlanta, GA, *May 2024*
- "Factors Contributing to the Use of Diversity, Inclusion, and Gender Examples in Undergraduate Economics Courses: Findings from the National "Chalk-and-Talk" Survey," with Carlos J. Asarta and Cynthia Harter, ASSA/AEA Annual Meetings, New Orleans, LA, *January 2023*
- "More Bang for Your Buck: The Effects of Flat Rate Tuition on University Course Loads, Performance, and Major Selection", with Brent Norwood, Conference on Teaching and Research in Economic Education (CTREE), Chicago, IL, *June 2022*

- "Does Principles of Macroeconomics Course Performance Affect Student Achievement in Money and Banking?" Southern Economic Association Annual Meeting, Houston, TX, November 2021
- "Are Instructors Role Models Indirectly? Testing the Relationship between Instructor Gender, Course Performance and Undergraduate Economics Major Selection," ASSA/AEA Virtual Annual Meeting, *January 2021*
- "Does Participation and Performance on Advanced Placement Economics Exams Predict Undergraduate Economics Degree Completion?" ASSA/AEA Annual Meetings, San Diego, CA, *January 2020*
- "Active Learning with FRED: Two Examples," with Diego Mendez-Carbajo and Alejandro E. Dellachiesa. Southern Economic Association Annual Meeting, Ft. Lauderdale, FL. *November* 2019
- "Gender and Performance in Intermediate Microeconomics: Does the Format of the Principles of Microeconomics Course Matter?" with Carlos J. Asarta and David M. Switzer. Council for Economic Education (CEE) Annual Conference, Los Angeles, CA. *October 2019*
- "Instructor Gender and Student Performance in Introductory Economics Courses: Is There a Role Model Effect?" with Rebecca G. Chambers. Conference on Teaching and Research in Economic Education (CTREE), St. Louis, MO, *May 2019*
- "The Gender Gap in Undergraduate Economics Course Persistence and Degree Selection," with Carlos J. Asarta. ASSA/AEA Annual Meetings, Atlanta, GA, *January 2019*
- "Does Taking A Principles of Economics Course Online Influence Student Performance in Intermediate Economics Courses?" with Carlos J. Asarta and David Switzer, Southern Economic Association Annual Meeting, Washington, D.C., *November 2018*
- "Completing an Economics Degree: The Role of Gender, Grades, and Initial Major Selection," Marion Steele Research Symposium, University of Delaware, *May 2018*
- "Navigating the Economics Major: The Effect of Gender on Students' Degree Pathways," with Carlos J. Asarta. The Association of Private Enterprise Education Annual Meeting, Las Vegas, NV, *April 2018*
- "Gender Differences in Undergraduate Economics Course Persistence and Degree Selection," ASSA/AEA Annual Meetings, Philadelphia, PA, *January 2018*
- "Economics Course Persistence and Degree Selection: An Exploration of Gender Differences among Undergraduate Students," Council for Economic Education (CEE) Annual Conference, Brooklyn, NY, *October 2017*
- "Women in Economics and Finance: What the Research Shows,"
- Women in Business Summit, University of Delaware, Newark, DE, April 2016
- Women in Business Summit, University of Delaware, New York, NY, May 2016
- "Where are the Women? The Gender Gap Among Undergraduate Economics and Finance Majors," Marion Steele Research Symposium, University of Delaware, *April 2016*
- "Gender Differences in Primary School Attendance in Nigeria," Graduate Student Research Forum, University of Delaware, *April 2016*
- "Individual and Household Determinants of Child School Attendance in Nigeria," Marion Steele Research Symposium, University of Delaware, *April 2015*

"Introduction to the Three-Range Aggregate Supply Curve: A Cooperative Learning Activity," ASSA/AEA Annual Meetings, Philadelphia, PA, *January 2014*

Conference Session Organizer

Paper Session: Promoting Diversity in Economics: Exploring the Effects of Introductory Economics Course Experiences on Students' Continuation in the Discipline, hosted by the AEA Committee on Economic Education, ASSA/AEA Annual Meetings, San Francisco, CA, *January 2025*

Paper Session: Cheating in the Era of ChatGPT: Implications for Economics Instruction and Assessment, hosted by the AEA Committee on Economic Education, ASSA/AEA Annual Meetings, San Antonio, TX, *January 2024*

Moderator- Conference Sessions

Panel Session: Teaching Economics with AI: Enhancing Learning, Research, and Critical Thinking, ASSA/AEA Annual Meetings, Philadelphia, PA, *January* 2026*

Chair- Conference Sessions

Research Session: Studies in Student Diversity and Effective Approach, Conference on Teaching and Research in Economic Education (CTREE), Portland, OR, *June 2023*

Research Session: *Exercises to Stimulate Student Engagement I*, Conference on Teaching and Research in Economic Education (CTREE), Chicago, IL, *June 2022*

Research Session: Research on Economic Education: Practitioners, ASSA/AEA Annual Meeting, Virtual, January 2021

Research Session: *Research on Teaching Economics*, Council for Economic Education (CEE) Annual Conference, Los Angeles, CA, *October 2019*

Discussant- Conference Sessions

- "Teaching Economics Majors Principles of Writing and Data Visualization," Oskar Harmon and Matthew Brown, ASSA/AEA Annual Meetings, Philadelphia, PA, *January* 2026*
- "Relevance, Belonging, and Growth Mindset: A Research Framework," Sam Allgood and KimMarie McGoldrick, ASSA/AEA Annual Meetings, San Francisco, CA, *January 2025*
- "Integrating Career Readiness into Economics Courses," Mary Lesser and Natalia Smirnova, Conference on Teaching and Research in Economic Education (CTREE), Atlanta, GA, *May* 2024
- "From 0 to Degree in 5 Years: Using Transparency, Teamwork, and Trust to Create an Online Economics Program in Record Time," Karen Gebhardt, Sara Anvila, and Alpna Bhatta, Conference on Teaching and Research in Economic Education (CTREE), Atlanta, GA, *May* 2024
- "An Economist's Guide to Teaching Students About, and With, ChatGPT and Other Large Language Models," Sean Flynn, ASSA/AEA Annual Meetings, San Antonio, TX, *January* 2024
- "Monetary Shocks in a Macro Economy with Labor and Goods Markets," Charles A. Holt and Erica R. Sprott, Conference on Teaching and Research in Economic Education (CTREE), Portland, OR, *June 2023*
- "Major Complexity Index and College Skill Production," Xiaoxiao Li, Sebastian Linde, and Hajime Shimao, ASSA/AEA Annual Meetings, New Orleans, LA, *January 2023*

- "Understanding Sex Differences in Majoring in Economics: What Little We Know, Reasons for Knowledge Gaps, and a Research Agenda of Unanswered Questions," Sam Allgood and KimMarie McGoldrick, Conference on Teaching and Research in Economic Education (CTREE), Chicago, IL, *June 2022*
- "Requirements of the Undergraduate Economics Major: A Comprehensive Evaluation," Emily C. Marshall, Anthony Underwood, and Abigail Hyde, Southern Economic Association Annual Meeting, Houston, TX, *November 2021*
- "Federal Reserve Economic Data: A History," Diego Mendez-Carbajo and Genevieve Podleski, ASSA/AEA Virtual Annual Meeting, *January 2021*
- "Flipping Introduction to Economics with Econlowdown.org," Diego Mendez-Carbajo and C. Lucy Malakar, ASSA/AEA Annual Meetings, Atlanta, GA, *January 2019*
- "An Investigation of (Un)Successful Performance and Repeats in Principles of Economics Courses," Tisha Emerson and KimMarie McGoldrick, Southern Economic Association Annual Meeting, Washington, D.C., *November 2018*
- "Key Institutions and Authors in Business and Management Education (BME): 2008-2017," J.B. Arbaugh, Carlos J. Asarta, Regina Bento, Charles Fornaciari, Alvin Hwang, and Kathy Lund Dean. Eighth Annual AEA Conference on Teaching and Research in Economic Education (CTREE), San Antonio, TX, *June 2018*
- "The Influence of Childhood Experiences on Financial Capability in Young Adulthood," Madelaine L'Esperance, Cliff Robb, and J. Michael Collins. ASSA/AEA Annual Meetings, Philadelphia, PA, *January 2018*
- "Cash 'n Careers: Valuation of Human Capital," Matthew Ross and James DeMello. Council for Economic Education (CEE) Annual Conference, Brooklyn, NY, *October 2017*

Pedagogical and Professional Development Presentations

- "How do AP Economics Exams Impact Student Choices?" University of Arizona Office of Economics Education, Virtual, *April 2022*
- "The Doorbell Rang: Using Children's Literature in the Elementary Classroom," Oklahoma Council on Economic Education, Meaningful Economics and Entrepreneurship (MEE) Competition, Oklahoma State University, February 2020
- "FRED: Active Learning with Data," with Diego Mendez-Carbajo, Yvetta Fortova, and Maria Arias. Southern Economic Association Annual Meeting, Ft. Lauderdale, FL. *November 2019*
- "Beatrice's Goat: Bringing Economics and Personal Finance into the Classroom at the Elementary Level," Oklahoma Council on Economic Education, Meaningful Economics and Entrepreneurship (MEE) Competition, Oklahoma State University, February 2019

Student Workshops

- "Data is the New Currency: Understanding the Subscription Economy," Siegfried Youth Leadership Program (SYLP), *October 2025**
- "Invest in Your Future," SYLP Economics Summer Camp, University of Delaware, July 2025
- "Invest in Your Future: It's Your Paycheck," SYLP, University of Delaware, March 2025

Grant Research Presentations

"Navigating the Childcare Crisis: The Status of Women in Oklahoma," Oklahoma Commission on the Status of Women Annual Summit, Oklahoma City, OK, *October 2023*

- "A Summary Report on Women's Status in Oklahoma," Oklahoma Commission on the Status of Women, Oklahoma City, OK, *August 2023*
- "A Report on Women's Status in Oklahoma," Stillwater Rotary Club, Stillwater, OK, July 2023
- "A Summary Report on the Status of Women in Oklahoma," OSU Women's Business Leadership Conference, Tulsa, OK, *March 2023*
- "Press Conference: The Status of Women in Oklahoma Research and Next Steps," United WE, Virtual, *July 2022*
- "Press Conference: The Status of Women in Oklahoma Research," United WE, Virtual, *April* 2022

Media Interviews

- "On Her Mind: A Look At Oklahoma's Gender Wage Gap," Michelle Linn, FOX 23 News-Tulsa, September 27, 2023
- "New OSU Study Paints Grim Picture for Status of Women in Oklahoma," Nick Camper, KFOR News-OKC, July 28, 2022
- "FOX 25 Consumer Watch: State of Women in Oklahoma," Mireya Garcia, Fox 25 News-OKC, May 6, 2022
- "KOCO 5 News: Live Interview with Wendy Doyle, President of United WE," Shelby Montgomery, *KOCO 5 News-OKC*, April 28, 2022

Editorial Appointments and Refereeing Work

Editorial Board

Associate Editor, The American Economist, 2023 - Present

Ad Hoc Reviewer

The Journal of Economic Education, 2021 – Present

International Review of Economics Education, 2019 – Present

Journal of Economics, Race, and Policy, 2025

National Science Foundation, Research Experience for Undergraduates Sites Program, economic education grant proposal, 2024

Economics Letters, 2024

Eastern Economic Journal, 2019 – 2023

The American Economist, 2020 – 2023

Southern Economic Journal, 2023

The Journal of Economics Teaching, 2022

Compensation and Benefits Review, 2022

Economics of Education Review, 2020

National Science Foundation, *Improving Undergraduate STEM Education (IUSE) Program*, economic education grant proposals, 2019 - 2020

Service and Leadership Activities

Professional

Advanced Placement (AP) Macroeconomics Outside Item Writer/Reviewer, The College Board, 2025 – Present

AP Visiting Fellow, AP Macroeconomics and AP Microeconomics, The College Board, 2025

Economics in the News Question Writer, *Principles of Economics,* 5th ed., and *Essentials of Economics,* 3rd. ed., W.W. Norton, 2025 – Present

McNair Scholars Program Research Mentor,

Center for Economic Education and Entrepreneurship, UD, 2025

Department of Economics, OSU, 2024

Dissertation Committee Member, Ph.D. in Economic Education, UD

Meaghan Vitale, 2023 – Present

David Mahon, 2021 – 2022

Member, National Association of Economic Educators Research Committee, 2018 – Present

President, Tredyffrin/Easttown Education Association, 2011 – 2013

Institutional

Undergraduate Studies Coordinator, Department of Economics, OSU

Core Curriculum Committee, 2018 – 2024

Undergraduate Curriculum Committee, 2019 – 2024

Undergraduate Assessment Coordinator, 2018 – 2024

Undergraduate Honors Thesis Advisor, Department of Economics, OSU, 2024

Faculty Representative, Oklahoma State Regents for Higher Education Course Equivalency Project Discipline Committee for Economics, 2023

Search Committee Member, Department of Economics, OSU, 2022 – 2023

Faculty Representative, Spears School of Business, OSU

Student Recruitment Committee, 2020 – 2024

BADM 2233 Steering Committee, 2020 – 2021

Strategic Initiative Team 4: Curriculum Innovation Committee, 2018 – 2019

Departmental Coordinator, Meaningful Economics and Entrepreneurship (MEE)

Competition, with Oklahoma Council on Economic Education, 2018 – 2020

Faculty Advisor, Freshman Research Scholar Program, 2019

Senator, Graduate Student Government, University of Delaware, 2014 – 2015

Team Coach, National Economics Challenge, Conestoga High School, 2009 – 2012, 2014

Eleventh place, National Semi-Finals, 2014

First place, Pennsylvania State Finals, 2014

Second place, Pennsylvania State Finals, 2010, 2012

First place, Eastern Pennsylvania Regional Competition, 2010 – 2012, 2014

Professional Affiliations

Member, American Economic Association (AEA)

Member, Society of Economic Educators (SEE)

Member, National Association of Economic Educators (NAEE)

Member, Southern Economic Association (SEA)