

Karen S.I. Gebhardt

Director of the Online Economics Program
Professor of Economics, Pedagogical Practice
Department of Economics
Division of Continuing Education
Instructor, Masters of the Environment Professional Degree Program

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Education

- May 2011 PhD, Colorado State University Department of Economics, Fort Collins, CO
Dissertation: The economic impact of bird and rodent damage to California agriculture.
Adviser: C.M. Fan, Committee: Alex Bernasek, Dave Mushinski, Dawn Thilmany
- June 2006 Graduate Certificate in Women’s Studies, Office of Women’s Programs and Studies,
Colorado State University, June 2006
- 2003 – 2006 Preparing Future Faculty Fellow
- Aug. 2003 M.A. Economics, Colorado State University, Fort Collins, CO
- Dec. 2000 B.A. Economics, Colorado State University, Fort Collins, CO
Completion of the President’s Leadership Program
- Dec. 2000 Graduate of the Central and Eastern European Studies Program at the Vysoka Skola
Ekonomicka Vpraze (VSE, The University of Economics), Prague, Czech Republic

Employment

- 8/18 – present Director of the Online Economics Program and Professor of Economics, Pedagogical Practice,
Department of Economics and Division of Continuing Education, University of Colorado
Boulder, Boulder CO
- 8/17 –Present Instructor, Masters of the Environment (MENV) professional degree program, University of
Colorado Boulder, Boulder, CO
- 8/11 – 7/18 Assistant Professor, Department of Economics, Colorado State University, Fort Collins, CO
Coordinator of Online Studies
Coordinator, CSU-FTU Vietnam Economics Curriculum Program
- 7/06 – 5/10 Economist, United States Department of Agriculture (USDA) / Animal and Plant Health
Inspection Service (APHIS) / Wildlife Services (WS) / National Wildlife Research Center
(NWRC), 4101 LaPorte Ave., Fort Collins, CO, 80521
- 8/03 – 8/11 Instructor, Department of Economics, Colorado State University, Fort Collins, CO

Teaching

Courses taught at CU Boulder:

- Principles of Macroeconomics, Economics Department, Online
- Money and Banking, Economics Department, Online
- Public Finance – Masters of the Environment (MENV) professional degree program
- Evaluating Food Systems: Economic Cost-Benefit Analysis – Masters of the Environment (MENV)
professional degree program

Environmental Statistics – Masters of the Environment (MENV) professional degree program

Courses taught resident instruction at Colorado State University:

Economics of Social Issues
Principles of Microeconomics
Principles of Microeconomics – Honors
Principles of Macroeconomics
Principles of Macroeconomics – Honors
Gender in the Economy
Intermediate Microeconomics
Public Finance
Development Economics
Teacher Training Seminar for Economic Graduate Students

Courses taught online at Colorado State University:

Principles of Microeconomics
Principles of Macroeconomics
Intermediate Microeconomics
Public Finance
International Finance

Courses taught internationally:

Intermediate Macroeconomics – FTU, Foreign Trade University, Hanoi, Vietnam
Comparative Labor Economics – VSE, The University of Economics, Prague, Czech Republic
International Trade – FTU, Foreign Trade University, Hanoi, Vietnam
International Finance – FTU, Foreign Trade University, Hanoi, Vietnam

Awards, Honors, and Distinctions

Faculty Fellow (The Institute of Teaching and Learning, Colorado State University): 2016-2018
Research Fellow (Center for the Analytics of Learning, Colorado State University): 2016-2017
High Impact Practices and Learning Courseware Fellow (The Institute of Teaching and Learning, Colorado State University): 2016-2018
Colorado State University Alumni Association Best Teacher Award: 2015
Named 2015 “Colorado State University Instructional Innovator” by Provosts Rick Miranda and Mike Palmquist
Named 2015 “Colorado State University Faculty Resource Expert” by Provosts Rick Miranda and Mike Palmquist
Nominated for Colorado State University Alumni Association Best Teacher Award: 2006, 2008, 2013, and 2014
Nominated for College of Liberal Arts Excellence in Teaching Award, Colorado State University: 2011-2012 and 2013-2014
Teaching Fellow (The Institute of Teaching and Learning, Colorado State University): 2007-2008
Water Pik Excellence in Teaching Award, Colorado State University: 2005–2006
Outstanding Graduate Teacher, Department of Economics, Colorado State University: 2005–2006

Research

Textbooks

The Economy Today 15e, The Macro Economy Today 15e, and The Micro Economy Today 15e, with Bradley Schiller, 2018, McGraw-Hill/Irwin Publishing. ISBN-13: 978-1259254857, 978-1259254857, and 978-1259291821.

Essentials of Economics 11e, with Bradley Schiller, 2020, McGraw-Hill/Irwin Publishing. ISBN-13: 978-1260521283.

Journal Articles

Gebhardt, K., McKenna, K., and M. Long. Comparison of Success Rates Between Online and On-Campus Economics Courses. *International Review of Economics Education* (*in review*).

McKenna, K., Gebhardt, K., and L. Altringer. Exploring Community in Discussion Board Activities. *The Online Journal of Distance Education and e-Learning* (*in review*)

Gebhardt, K., and K. McKenna. A Messaging Framework for Online Educators. *eLearn Magazine*, Special Issue on Paradigm Shifts in Global Higher Education and eLearning: xxxx April, 2019. (*in press*)

Gebhardt, Karen. 2018. Adaptive Learning Courseware as a Tool to Build Foundational Content Mastery: Evidence from Principles of Microeconomics. *Current Issues in Emerging eLearning*: Vol. 5: Iss. 1, Article 2. <https://scholarworks.umb.edu/ciee/vol5/iss1/2>

Citations: 1

Anderson, A., K.Gebhardt, W.T. Cross, and S.A. Shwiff. 2013. Spillover benefits of wildlife management to support pheasant populations. *Wildlife Society Bulletin* 37(2): 278-280. doi 10.1002/wsb.280.

https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=2440&context=icwdm_usdanwrc

Citations: 0

Impact Factor: 1.725, 5-Year Impact Factor: 2.237

Anderson, A., S.A. Shwiff, K. Gebhardt, A.J. Ramírez, S.S. Shwiff, D. Kohler, and L. Lecuona. 2012. Economic Evaluation of Vampire Bat (*Desmodus rotundus*) Rabies Prevention in Mexico. *Transboundary and Emerging Diseases*. 2012 Sep 18.

http://www.aphis.usda.gov/wildlife_damage/nwrc/publications/12pubs/anderson121.pdf

Citations: 32

Impact Factor: 2.714

Gebhardt, K., S.A. Shwiff, K.N. Kirkpatrick, and A. Anderson, 2011. A review and synthesis of bird and rodent damage estimates to select California crops. *Crop Protection*, 30:1106-1116.

http://www.aphis.usda.gov/wildlife_damage/nwrc/publications/11pubs/gebhardt111.pdf

Citations: 44

Impact Factor: 1.652, 5-Year Impact Factor: 1.790

Shwiff, S.A, K. Gebhardt, K.N. Kirkpatrick, and S.S. Shwiff, 2010. Potential economic damage from introduction of Brown Tree Snakes, *Boiga irregularis* (Reptilia: Colubridae), to the Islands of Hawai'i. *Pacific Science*, 64:1:1-10. <http://www.bioone.org/doi/abs/10.2984/64.1.001>

Citations: 26

Impact Factor: 1.163

Book Chapters

Buchan, Gebhardt, K., Gorzelsky, G., Jones, B., 2018. Closing the Gaps on Student Success: The Synergistic Effect of Learning Science, Adaptive Courseware and Learning Assistants at Colorado State University. *RC 20/20 Project*, <https://www.rc-2020.org/>

Refereed Proceedings

Field, J., Lewkow, N., Burns, S., and K. Gebhardt, 2018. A Generalized Classifier to Identify Online Learning Tool Disengagement at Scale. In Proceedings of Learning Analytics and Knowledge Conference (LAK'18). ACM, New York, NY, USA, 10 pages. <https://doi.org/10.1145/>

Citations: 1

Proceedings

Gebhardt, K. & McKenna, K. (2018). A Messaging Framework for Online Educators. In T. Bastiaens, J. Van Braak, M. Brown, L. Cantoni, M. Castro, R. Christensen, G. Davidson-Shivers, K. DePryck, M. Ebner, M. Fominykh, C. Fulford, S. Hatzipanagos, G. Knezek, K. Kreijns, G. Marks, E. Sointu, E. Korsgaard Sorensen, J. Viteli, J. Voogt, P. Weber, E. Weippl & O. Zawacki-Richter (Eds.), Proceedings of EdMedia: World Conference on Educational Media and Technology (pp. 731-735). Amsterdam, Netherlands: Association for the Advancement of Computing in Education (AACE). Retrieved August 21, 2018 from <https://www.learntechlib.org/primary/p/184269/>.

Citations: 0

Gebhardt, K., 2017. Dimensions of Quality Assurance at Colorado State University. KỶ YẾU HỘI THẢO KHOA HỌC, ĐẢM BẢO CHẤT LƯỢNG VÀ PHÁT TRIỂN CHƯƠNG TRÌNH ĐÀO TẠO TẠI KHOA KINH TẾ VÀ KINH DOANH QUỐC TẾ (Scientific Conference on Quality Assurance and Development of Training Programs in International Economic and Business Science). TRƯỜNG ĐẠI HỌC NGOẠI THƯƠNG KHOA KINH TẾ VÀ KINH DOANH QUỐC TẾ (Foreign Trade University), Hanoi, Vietnam. December 5, 2017. Pp. 20-31.

Anderson, Aaron; Gebhardt, Karen; Kirkpatrick, Katy N.; Bergman, David L.; and Shwiff, Stephanie A., 2014. Economic Analysis of Indemnity Payments for Wolf Depredation on Cattle in a Wolf Reintroduction Area. USDA National Wildlife Research Center - Staff Publications. Paper 1805., Proceedings of the 26th Vertebrate Pest Conference. Published at Univ. of Calif., Davis. 2014. Pp. 413-418.

http://digitalcommons.unl.edu/icwdm_usdanwrc/1805

Citations: 0

Cozzens, T., K. Gebhardt, S. Shwiff, M. Lutman, K. Pedersen, and S. Swafford. 2010. Modeling the economic impact of feral swine-transmitted foot-and-mouth disease: A case study from Missouri. Proceedings of the Vertebrate Pest Conference, 24:308-311.

http://www.aphis.usda.gov/wildlife_damage/nwrc/publications/10pubs/cozzens101.pdf

Citations: 8

Gebhardt, K., S.A. Shwiff, B.R. Leland, D.R. Hatchett, and M.J. Bodenchuk. 2009. Methodology to estimate cost savings associated with the use of trap monitor systems by Wildlife Services. Proceedings of the Wildlife Damage Management Conference, 13:132-136.

http://digitalcommons.unl.edu/icwdm_wdmconfproc/112/

Citations: 2

Shwiff, S. A, K. N. Kirkpatrick, R. T. Sterner, and K. Gebhardt. 2008. The economic impacts of bird and rodent damage to California crops: A methodology to select counties for input-output modeling. Proceedings of the Vertebrate Pest Conference, 23:286-289.

http://www.aphis.usda.gov/wildlife_damage/nwrc/publications/08pubs/shwiff084.pdf

Citations: 0

Briefs

K. Gebhardt. 2019. Discipline Research Brief in Economics: Adaptive Courseware in Economics. EveryLearner Everywhere. Boulder, CO.

Selected Presentations

Gebhardt, K. ECON Everyday: Topics to Engaging Economic Students. Engaging Students in Principles of Economics Courses: A Symposium. Nashville, TN. March 7-9, 2019.

Gebhardt, K. Improving Student Outcomes with Frequent Testing and Team-Based Activities. Presentation to Deans and Chairs at Colorado Technical University, Colorado Springs Campus. February 26, 2019.

Gebhardt, K. Adaptive learning courseware: A case study in improved learning outcomes. 30th Annual Teaching Economics Conference: Instruction and Classroom Based Research. Robert Morris University, Moon Township, Pennsylvania, February 21-23, 2019.

Gebhardt, K., and Gorzelsky, G. Integrating Adaptive Courseware with High-Impact Practices. Colorado Regional Digital Learning Symposium. Colorado State University, Fort Collins, CO. January 30, 2019.

<https://provost.colostate.edu/digital-learning-symposium/>

EDUCAUSE Annual Conference. Colorado Convention Center. Denver, CO. October 30–November 2, 2018.

- Interactive Presentation. Gebhardt, K. Adaptive Learning Courseware: A Case Study in Improved Learning Outcomes.
- Poster Presentation. Gebhardt, K., Buchan, T., Gorzelsky, G., and K. Vignare. Transforming Learning at Scale: Collaborating Across and Within Institutions
- Poster Presentation. Gebhardt, K., and K. McKenna. Motivation and Content: Framing Messaging in Online Education

Gebhardt, K., Buchan, T., Gorzelsky, G., Clark, S., and B. Jones. Closing the Gaps on Student Success: The Synergistic Effect of Learning Science, Adaptive Courseware, and Peer Learning. Reinvention Collaborative 2018 National Conference, Arlington, VA. November 8-10, 2018.

Gebhardt, K. and K. McKenna. Messaging Online: Learner Communication. American Association for Adult and Continuing Education (AAACE) 2018 Annual Conference. Myrtle Beach, SC. October 2-5, 2018.

Gebhardt, K. and K. McKenna. A Messaging Framework for Online Educators. Association for the Advancement of Computing in Education (AACE), EdMedia + Innovate Learning 2018. Amsterdam, Netherlands. June 25-29, 2018.

Gebhardt, K. Student Perceptions of High-Impact Practices and Adaptive Learning in the Principles Classroom. Conference on Teaching & Research in Economic Education (CTREE). San Antonio, TX. May 30 - June 1, 2018.

Gebhardt, K., K. McKenna, M. Long, and L. Altringer. Closing Achievement Gaps between Online and On-campus Economics courses. The Institute for Learning and Teaching (TILT) 2018 Summer Conference. Closing the Student Achievement Gap: How Learning Happens and Active Learning Strategies. Colorado State University. May 16-17, 2018.

Gebhardt, K. Lightning talk related to the work I have done with the APLU grant. The Institute for Learning and Teaching (TILT) 2018 Summer Conference. Closing the Student Achievement Gap: How Learning Happens and Active Learning Strategies. Colorado State University. May 16-17, 2018.

Gebhardt, K. Improving Success in Online Courses: How Data Can Inform Intervention. McGraw-Hill Education Economics Evolved: A Symposium Addressing the Paradigm Shift in Principles Courses. Nashville, TN. March 21-22, 2018.

Learning Analytics and Knowledge Conference (LAK). Sydney, Australia. Society for Learning Analytics

Research (SoLAR). March 5–9, 2018.

- Paper presentation: Gebhardt, K., Lewkow, N., Fields, J., and Burns, S.A Generalized Classifier to Identify Online Learning Tool Disengagement at Scale.
- Poster presentation: Gebhardt, K., and K. McKenna. Identifying Trends in Student Success in Online Economics Courses at a Large State University.

Gebhardt, K. Identifying Disengagement: How Can Technology Help? 29th Annual Teaching Economics Conference: Instruction and Classroom Based Research. Robert Morris University, Moon Township, Pennsylvania, February 15-17, 2018.

Gebhardt, K. Improving Student Outcomes with Low Stakes Assessments. Session: Authors' Secrets on How to Organize Principles Courses for Success. 2018 Allied Social Sciences Associations (ASSA) Annual Meeting. Philadelphia, Pennsylvania. January 5-7, 2018.

Gebhardt, K. Dimensions of Quality Assurance at Colorado State University. KỶ YẾU HỘI THẢO KHOA HỌC, ĐẢM BẢO CHẤT LƯỢNG VÀ PHÁT TRIỂN CHƯƠNG TRÌNH ĐÀO TẠO TẠI KHOA KINH TẾ VÀ KINH DOANH QUỐC TẾ (Scientific Conference on Quality Assurance and Development of Training Programs in International Economic and Business Science). TRƯỜNG ĐẠI HỌC NGOẠI THƯƠNG KHOA KINH TẾ VÀ KINH DOANH QUỐC TẾ (Foreign Trade University), Hanoi, Vietnam. December 5, 2017.

Gebhardt, K. Evaluation of Student Success in Online Economics Courses at Colorado State University, Center for the Analytics of Learning and Teaching, Colorado State University. November 7, 2017.

Gebhardt, K. Comparison of Attrition and Failure Rates Between Online vs. On-campus Economics Programs. Session: Online Delivery Methods, Engagement, and Student Performance in Economics. Conference on Teaching & Research in Economic Education (CTREE). Denver, CO. May 31 – June 2, 2017.

Gebhardt, K. Adaptive Learning as a Tool to Build Content Mastery. The Institute for Learning and Teaching (TILT) 2017 Summer Conference. High-Impact Educational Practices Intersect with the Science of Learning. Colorado State University. May 18, 2017.

Gebhardt, K., S. Burns, and J.L. Suárez García. Providing Analytics to Faculty: Dashboards, Metacognition, and More. The Institute for Learning and Teaching (TILT) 2017 Summer Conference. High-Impact Educational Practices Intersect with the Science of Learning. Colorado State University. May 18, 2017.

Gebhardt, K. Presentation to the Colorado State University Board of Governors related to current research with TILT. Colorado State University. May 3, 2017.

Gebhardt, K. Improving Student Outcomes with Low Stakes Assessments. The Institute for Learning and Teaching (TILT) Spring 2017 Workshop/Seminar Series. Colorado State University. March 22, 2017.

Gebhardt, K. Current Research. Undergraduate Women in Economics Research Symposium. Colorado State University. February 14, 2017.

Gebhardt, K., T. Buchan, and S. Kruse. Adaptive Learning in Support of High Impact Practices: Accelerating the Adoption of Adaptive Courseware. Professional Development Institute, Colorado State University. January 11, 2017.

Gebhardt, K. Adaptive Learning as a Tool to Build Content Mastery. Session: Evidence-Based Teaching in Economics. 2017 Allied Social Sciences Associations (ASSA) Annual Meeting. Chicago, Illinois. January 6-8, 2017.

Gebhardt, K. Engaging Students with Online Homework and Technology. Policy, Data, and Innovation: Where Worlds Collide in the Economic Classroom - INXPO Virtual Event. October 21, 2016.

Gebhardt, K. Using Established Technology to Integrate Frequent Low-Stakes Quizzing to Improve Learning Outcomes. 2016 Conference on Teaching & Research in Economic Education (CTREE – American Economic Association). Atlanta, Georgia. June 1-3, 2016.

Gebhardt, K. The Art of Teaching: What does learning research tell us about frequent testing? The Science of Learning Meets the Art of Teaching Focus Group. 2016 Conference on Teaching & Research in Economic Education (CTREE – American Economic Association). Atlanta, Georgia. June 1-3, 2016.

Gebhardt, K. Evolution of the Economics Classroom—Connecting with Students at the Moment of Need. McGraw-Hill Education: Economics Workshop. Orlando, Florida. April 8, 2016

Gebhardt, K. Connecting with Students at the Moment of Need. Webex Virtual Conference. McGraw-Hill Higher Education. March 23, 2016

Gebhardt, K. Becoming a Better Student: Lessons Learned from Economics. Invited guest speaker to undergraduate students at Houston Community College (HCCS) Pinemont Campus, Houston, Texas. February 29th, 2016.

Gebhardt, K. Connecting with Students at the Moment of Need. Webex Virtual Conference. McGraw-Hill Higher Education. February 25, 2016.

Gebhardt, K. and K. Hoenicke. Technology for Learning. 27th Annual Teaching Economics Conference: Instruction and Classroom Based Research. Robert Morris University, Moon Township, Pennsylvania, February 18-20, 2016.

Gebhardt, K. Improving Student Outcomes with Low Stakes Assignments. 27th Annual Teaching Economics Conference: Instruction and Classroom Based Research. Robert Morris University, Moon Township, Pennsylvania, February 18-20, 2016.

Gebhardt, K. Evolution of the Economics Classroom – Connecting with Students at the Moment of Need. McGraw-Hill Education Teaching without Limits Summit: Principles of Economics. Amelia Island, Florida. February 4-6, 2016.

Gebhardt, K. Engaging Students with Online Homework and Technology. Teach Without Limits – INXPO Virtual Event. McGraw-Hill Higher Education. January 14, 2016.

Gebhardt, K. Engaging Students with Online Homework and Technology. INXPO Virtual Event. McGraw-Hill Higher Education. August 13, 2016.

Gebhardt, K. Creating a More Engaging and Collaborative Online Program. 26th Annual Teaching Economics Conference: Instruction and Classroom Based Research. Robert Morris University, Moon Township, Pennsylvania, February 12-14, 2015.

Gebhardt, K. Coordinating Lectures, Labs, Instructors and Tutors. Provost's Academy for Instructional Innovation workshop on Challenging and Engaging Students in Core and Gateway Courses, May 21-22, 2014, Colorado State University, Fort Collins, Colorado.

Gebhardt, K., and P. Cole. A Gendered Analysis of Occupational Changes and Policy Responses to the Great Recession in Colorado. Western Social Science Association/Association for Institutional Thought (AFIT)

Annual Conference. April 11-14, 2012. Houston, Texas.

Gebhardt, K. Bioeconomic Modeling of the Impacts of Wildlife Transmitted Disease, 24th Vertebrate Pest Conference, February 22 – 25, 2010, Sacramento, California.

Gebhardt, K. Economic Considerations of Indemnity Programs, 24th Vertebrate Pest Conference, February 22 – 25, 2010, Sacramento, California.

Gebhardt, K., and T. Cozzens. 2010 Economic benefit of feral swine disease surveillance: foot and mouth disease. National Wildlife Disease Program Seminar Series. January 28, 2010. Fort Collins, CO.

Gebhardt, K., S.A. Shwiff, and W.T. Cross, 2009. Estimating the economic benefits associated with trapping to corn growers in Goshen County, Wyoming. Presented at the Goshen County Predatory Management District (GCPMD) meeting, December 10, 2009, Torrington, WY.

Gebhardt, K., S.A. Shwiff, B. Leland, D. Hatchett, and M. Bodenchuk, 2009. Methodology to estimate cost savings associated with trap monitor use. 13th Wildlife Damage Management Conference. Saratoga Springs, NY, May 4-6, 2009.

Gebhardt, K., S.A. Shwiff, K.N. Kirkpatrick, 2009. The economic impacts of bird and rodent damage to California crops. 13th Wildlife Damage Management Conference. Saratoga Springs, NY, May 4-6, 2009.

Gebhardt, K. 2009. Estimating the economic cost of bird and rodent damage to selected California crops. Agricultural & Resource Economics and Economics Departments Graduate Research Symposium, Colorado State University. February 6, 2009.

Gebhardt, K., and B. Anderson. November 11, 2008. Technology and online economics education at CSU. Colorado State University Department of Economics Seminar Series.

Shwiff, S.A., K. Gebhardt, K. Kirkpatrick, S. Shwiff (Presenter) 2008. Techniques for Estimating the Economic Impact of Vertebrate Pests. 14th Australasian Vertebrate Pests Conference, Darwin, Australia, June 10-12, 2008.

Sterner, R.T., S.A. Shwiff, K. Kirkpatrick, and K. Gebhardt. (Poster) Economic Research of Human-wildlife Conflicts: Methods and Assessments. WS Management Meeting, Estes Park, CO, May 20, 2008.

Shwiff, S.A. (Presenter), K. Gebhardt, K. Kirkpatrick. 2008. Visitor Survey Results: The Effect of the Brown Treesnake on Tourism to Hawai'i Coordinating Group on Alien Pest Species, Honolulu, HI. March 14, 2008.

Shwiff, S.A. (Presenter), Alejandro Jiménez Ramírez, K. Gebhardt, S. Shwiff, D. Kohler and L. Lecuona. The Economic Effects of Vampire Bat Populations in Mexico's Endemic Rabies Virus Zone: An Analysis Using Multiple Benefit–Cost Models. International Meeting of Rabies in the Americas, XVIII (RITA), Guanajuato, Mexico. Sept. 29 – Oct. 5, 2007.

Gebhardt, K., K.N. Kirkpatrick, and S.A. Shwiff (Poster). The Potential Economic Impacts of the Introduction of the Brown Treesnake to the Islands of Hawaii. Managing Vertebrate Invasive Species. August 7-9, 2007, Fort Collins, Colorado. Hosted by: U. S. Department of Agriculture/Animal and Plant Health Inspection Service/Wildlife Services/National Wildlife Research Center.

Gebhardt, K. The economic impact of vampire bat-transmitted rabies. Vampire bat biology, handling, and capture training. July 1-7, 2007. San Luis Potosi, Mexico. Hosted by USDA/IS Mexico.

Grants and Awards

Accelerating the Adoption of Adaptive Courseware in ECON 204 Grant. Association of Public and Land Grant Universities (APLU) through the Institute of Teaching and Learning (TILT, CSU). Awarded Spring 2017, Research Semesters 2017-2018. \$6900.

Faculty Fellows Award (The Institute of Teaching and Learning, CSU) to identify early indicators of students' academic performance in all courses in CSU's Online Economics Program, test interventions to prompt improved study behaviors, and redesign courses to use effective indicators and interventions: Awarded Fall 2016, Research Semesters 2016-2018, \$32,789.

Accelerating the Adoption of Adaptive Courseware in ECON 202 Grant. Association of Public and Land Grant Universities (APLU) through the Institute of Teaching and Learning (TILT, CSU). Awarded Fall 2017, Research Semesters 2016-2017. \$6900.

Research Fellow Award (Center for the Analytics of Learning and Teaching, CSU). Recognition for innovative work to predict student disengagement and implement effective interventions in courses in the Economics Online Program: Awarded Fall 2016, Research Semesters 2017-2018, \$2000.

Course Redesign Grant (The Institute of Teaching and Learning, CSU) to integrate peer education (learning Assistants) into Principles of Microeconomics: Awarded Summer 2016, Research Semester Spring 2017, \$9000.

Course Redesign Grant (The Institute of Teaching and Learning, CSU) to integrate active and adaptive learning into Principles of Microeconomics. Part of the large APLU grant awarded to CSU and TILT to accelerate the implementation of adaptive courseware in high-enrollment gateway courses: Awarded Summer 2016, Research Semester Fall 2016, \$7500.

Course Redesign Grant (CSU Online) to redesign Principles of Microeconomics and Principles of Macroeconomics: Awarded Spring 2016, Research Semesters Summer and Fall 2016, \$3000.

Teaching Fellows Grant (The Institute of Teaching and Learning, CSU) with Prof. Robert Kling to analyze the effectiveness of 'writing to learn' in Principles of Microeconomics: 2007-2008

Course Redesign Grant (The Institute of Teaching and Learning, CSU) for online class: 2007-2008

Service

Project Owner, Academic Futures / Financial Futures Online Working Group, CU Boulder Spring 2019
 Undergraduate Program Committee, Department of Economics, CU Boulder 2018 – present
 Coordinator, CSU-FTU Vietnam Economics Curriculum Program, 2017 – 2018
 Coordinator of Online Studies, Department of Economics, Colorado State University, 2012 – 2018
 Community Manager, Adaptive Learning in Economics (ALE) – A Community of Practice 2017 – present
 CSU Online Policy Advisory Board, 2016 - 2018
 Faculty Advisor, Generation Financial Knowledge Development, CSU student organization, 2014 – 2018
 Assistant Coordinator, CSU-FTU Vietnam Economics Curriculum Program, 2016 – 2017
 Evaluation of CSU Online Faculty Training Modules, Fall 2016
 Proctoring Task Force, CSU Online, Spring 2016
 Special Instructor Mentor, Department of Economics, Colorado State University, 2010 – 2017
 Online Program Committee, Chair, Department of Economics, Fall 2013 – present
 Undergraduate Program Committee, Department of Economics, Fall 2012 – Summer 2017
 Undergraduate Award Committee, Department of Economics, Spring 2012 – Summer 2017

Reviewer: Crop Protection, Wildlife Society Bulletin

Memberships and Affiliations

Guest Associate Faculty, Department of Physics, Colorado State University

National Center for Faculty Development and Diversity

Educause

American Economic Association (AEA)

National Association of Economic Educators (NAEE)

CSU Center for Women's Studies and Gender Research Affiliate Faculty

Society for Learning Analytics (SoLAR)

Association for the Advancement of Computing in Education (AACE)

Center for the Analytics of Learning and Teaching (C-ALT)

TILT CSU Adaptive Learning Platform (ALP) Collaboration Community

International Council for Open and Distance Education (ICDE)