SHAIKH M. RAHMAN

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EDUCATION:

1993	B.S.S.	The University of Dhaka	Economics
1995	M.S.S.	The University of Dhaka	Economics
2000	M.S.	The University of Georgia	Agricultural and Applied Economics
2004	M.S.	The University of Maryland	Agricultural and Resource Economics
2007	Ph.D.	The University of Maryland	Agricultural and Resource Economics

PROFESSIONAL EXPERIENCE:

1996-1998	Lecturer	Shahjalal University of Science and Technology, Sylhet, Bangladesh
1998-2000	Graduate Assistant	Dept. of Agricultural and Applied Economics, University of Georgia, Athens, GA
2000-2004	Research Assistant	Dept. of Agricultural and Resource Economics, University of Maryland, College Park, MD
2001-2005	Consultant	International Food Policy Research Institute Washington, DC
2007-2008	Consultant	Development Research Group, World Bank, Washington, DC
2009-Present	**Assistant Professor**	**Texas Tech University, Lubbock, Texas**
2013-2014	Consultant	United Nations Framework Convention on Climate Change
Spring 2014	Visiting Professor	University of Economics, Prague, Czech Republic
Spring 2015	Visiting Professor	University of Economics, Prague, Czech Republic

INTERNATIONAL EXPERIENCE:

Summer 2014	Development of Agricultural Marketing Information System	Dept. of Agricultural Marketing, Ministry of Agriculture, Bangladesh

MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES:

- Agricultural and Applied Economics Association (AAEA); 1998 to present
- European Association of Environmental and Resource Economists (EAERE); 2009 to present
- Association of Environmental and Resource Economics (AERE); 2011 to present
- Southern Agricultural Economics Association: 2012 to present
- Gamma Sigma Delta, Texas Tech Chapter; 2009 to present

AREAS OF EXPERTISE:

- Environmental Economics
- Energy Economics
- Development Economics
- Agricultural Industrial Organization

PUBLICATIONS

Books:

- Ariel Dinar, D. F. Larson, and S. M. Rahman, 2013. The Clean Development Mechanism (CDM): An Early History of Unanticipated Outcomes. World Scientific.

Book Chapters:

- Rahman, S. M., D. F. Larson, and A. Dinar. 2010. "Diffusion of the Clean Development Mechanism," in Nanotechnology and Microelectronics: Global Diffusion, Economics and Policy, ed. N. Ekekwe, IGI Publishers, Pennsylvania.

Refereed Journal Articles:

1. **Rahman, S. M.**, D. F. Larson, and A. Dinar (2015), "Costs of Greenhouse Gas Emissions Abatement under the Clean Development Mechanism of the Kyoto Protocol," *Climate Change Economics*, Vol. 6, No. 1: 1-34.
2. **Rahman, S. M.**, and G. A. Kirkman (2014), "Costs of Certified Emission Reduction under the Clean Development Mechanism of the Kyoto Protocol." *Energy Economics*, 49: 129-141.
3. **Rahman, S. M.**, Donald F. Larson, and Ariel Dinar (2013), What Drives Investment under the Clean Development Mechanism?" *World Bank Research Digest*, 7(2): 7
4. Dinar, A., **S. M. Rahman**, and D. F. Larson (2011), "Act Locally – Affect Globally: International Cooperation in Carbon Abatement Projects," *Global Environmental Politics*, 11(4): 108-133.
5. **Rahman, S. M.**, D. F. Larson, and A. Dinar (2010), "Diffusion of Kyoto's Clean Development Mechanism," *Technological Forecasting and Social Change*, 77(8): 1391-1400.

6. Larson, D. F., P. Ambrosi, A. Dinar, **S.M. Rahman**, and R. Entler (2008), "A Review of Carbon Market Policies and Research." *International Review of Environmental and Resource Economics*, 2(3): 177-236.
7. **Rahman, S. M.**, J. H. Dorfman, and S. C. Turner (2004), "A Bayesian Approach to Optimal Cross-hedging of Cottonseed Products Using Soybean Complex Futures." *Journal of Agricultural and Resource Economics*, 29(2): 260-275.
8. **Rahman, S. M.**, S. C. Turner, and E. F. Costa (2001), "Cross-hedging Cottonseed Meal." *Journal of Agribusiness*, 19(2): 163-171.

Other Refereed Publications:

1. Rahman, S. M., Donald F. Larson, and Ariel Dinar. 2011. "The Cost of Mitigation under the Clean Development Mechanism: A Cost Function Evaluation." World Bank Policy Research working paper no. WPS 6145.
2. Rahman, S.M., A. Dinar, and D. F. Larson. 2010. "Will the Clean Development Mechanism Mobilize Anticipated Levels of Mitigation?" World Bank Policy Research working paper no. WPS 5239.
3. Dinar, A., S.M. Rahman, D. F. Larson, and P. Ambrosi. 2008. "Factors Affecting Levels of International Cooperation in Carbon Abatement Projects." World Bank Policy Research working paper no.WPS 4786.
4. Larson, D. F., Ambrosi, P., Dinar, A., Rahman, S. M., Entler, R. 2008. "Carbon Markets, Institutions, Policies, and Research." Policy Research Working Paper, WPS 4761, World Bank, Washington, DC.
5. Diao, X., P. Dorosh, and S. M. Rahman. 2007. "Market Opportunities for African Agriculture: A General Equilibrium Examination of Demand-Side Constraints on Agricultural Growth in East and Southern Africa." *Research Report # RR 154*, International Food Policy Research Institute, Washington, DC.

Published as Proceedings (available at the htttp://ageconsearch.umn.edu):

1. Rahman, S. M., and B. F. Khan (2014), "Cotton Futures Price Variability: The Role of China's Cotton Inventory Policy." Selected Paper, 2014 Beltwide Cotton Conferences, http://www.cotton.org/beltwide/proceedings/2005-2014/index.htm
2. Rahman, S. M., and G. Kirkman (2013), "Costs of Generating Emissions Reduction Credits under the Clean Development of the Kyoto Protocol." Contributed Paper, the 20th Annual Conference of European Association of Environmental and Resource Economists (EAERE). http://www.webmeets.com/EAERE/2013/prog/viewpaper.asp?pid=1046
3. Rahman, S. M., D. F. Larson, and Ariel Dinar. "The Cost of Mitigation under the Clean Development Mechanism: A Cost Function Evaluation." The 2012 conference of American Environmental and Resource Economics Association (AERE). http://www.webmeets.com/EAERE/2012/m/ viewpaper.asp?pid=677

4. Rahman, S. M., A. Dinar, and D. F. Larson. 2012. "Cross-Country Adoption of the Clean Development Mechanism." Contributed Paper, the 19th Annual Conference of the European Association of Environmental and Resource Economists (EAERE). http://www.webmeets.com/EAERE/2012/m/ viewpaper.asp?pid=677
5. Rahman, S. M. 2010. "Optimal Contracting for Cattle Feeding: An Assessment of Climatic Conditions." The 2010 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/61451
6. Rahman, S. M., A. Dinar, and D. F. Larson. 2009. "The Cost Structure of Emissions Abatement through the Clean Development Mechanism." The 2009 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/49397
7. Rahman, S. M. 2006. "Optimal Incentive Structure in Cattle Feeding Contracts under Alternative Fed Cattle Pricing Methods." The 2006 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/21404
8. Rahman, S. M. and H. Uddin. 2004. "Optimal Contract for Exploration of an Exhaustible Natural Resource under Asymmetric Information." The 2004 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/20180
9. Rahman, S. M. and I. H. Hardie. 2004. "Subdivision Specific Amenities and Residential Property Values." The 2004 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/20270
10. Rahman, S. M., J. H. Dorfman, and S. C. Turner. 2002. "A Bayesian Approach to Optimal Cross-hedging of Cottonseed Products Using Soybean Complex Futures." The 2002 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/19708
11. Rahman, S. M., S. C. Turner, and E. F. Costa. 2000. "Cross-hedging Cottonseed Meal." The 2000 Annual Meeting of the American Agricultural Economic Association (AAEA): http://purl.umn.edu/21769

Journal Articles under Review:

1. **Rahman, S. M.**, Ariel Dinar, and Donald F. Larson. 2014. "Adoption of the Clean Development Mechanism," *Environmental and Development Economics*, revised and resubmitted in April 2015.
2. **Rahman, S. M.**, R-S. Fetcher, E. Haites, and G. A. Kirkman. 2014. "Costs of Generating Electricity by Power Projects under the Clean Development Mechanism," *Energy Economics*, submitted in August 2014.

Working Papers:

1. Rahman, S. M. and A. Dinar. "The Value of Certified Emission Reductions: Determining Optimal Weight for Mitigation Balance across Sectors and Regions," Working Paper.

2. Rahman, S. M., and R. Just. "Optimal Contracting for Cattle Feeding: An Assessment of Value-Based Pricing." For the *American Journal of Agricultural Economics*.
3. Rahman, S. M., and R. Just. "Optimal Contracting for Cattle Feeding: A Multitask Principal-Agent Model," For the *American Journal of Agricultural Economics*.
4. Rahman, S. M. "Optimal Contracting for Cattle Feeding: An Assessment of Climatic Conditions." For *Applied Economics Perspectives and Policy*.

PRESENTATIONS AND LECTURES:

1. August2-5, 2000. "Cross-hedging Cottonseed Meal." 2000 Annual Meeting of the American Agricultural Economic Association (AAEA), Tampa, FL.
2. July 28-31, 2002. "A Bayesian Approach to Optimal Cross-hedging of Cottonseed Products Using Soybean Complex Futures." 2002 Annual Meeting of the American Agricultural Economic Association (AAEA), Long Beach, CA.
3. August 1-4, 2004. "Optimal Contract for Exploration of an Exhaustible Natural Resource under Asymmetric Information." presented at the 2004 Annual Meeting of the American Agricultural Economic Association (AAEA), Denver, CO.
4. August 1-4, 2004. "Subdivision Specific Amenities and Residential Property Values." 2004 Annual Meeting of the American Agricultural Economic Association (AAEA), Denver, CO.
5. July 23-27, 2006. "Optimal Incentive Structure in Cattle Feeding Contracts under Alternative Fed Cattle Pricing Methods." 2006 Annual Meeting of the American Agricultural Economic Association (AAEA), Long Beach, CA.
6. June 24-27, 2009. "Global and Cross-Country Adoption of the Clean Development Mechanism: Incidence, Extent, and Growth." 17th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Amsterdam, Netherlands.
7. July 26-28, 2009. "The Cost Structure of Emissions Abatement through the Clean Development Mechanism." 2009 Annual Meeting of the Agricultural and Applied Economic Association (AAEA), Milwaukee, WI.
8. July 25-27, 2010. "Optimal Contracting for Cattle Feeding: An Assessment of Climatic Conditions." 2010 Annual Meeting of the Agricultural and Applied Economic Association (AAEA), Denver, CO.
9. September 24, 2010. "The Clean Development Mechanism: Diffusion and Cost Structure." Ag Eco Graduate Student Association (AEGSA), Texas Tech University, Lubbock, Texas.
10. December 25, 2010. "The Clean Development Mechanism: Diffusion and Cost Structure." 2010 Bangladesh Conference of the Association for Economic and Development Studies on Bangladesh (AEDSB), Dhaka, Bangladesh.

11. January 3, 2011. "The Clean Development Mechanism: Diffusion and Cost Structure." Bangladesh Institute of Development Strategies (BIDS), Dhaka, Bangladesh.
12. December 20, 2011. "Costs of Greenhouse Gas Emissions Abatement under the Clean Development Mechanism of the Kyoto Protocol." 2011 Bangladesh Conference of the Association for Economic and Development Studies on Bangladesh (AEDSB), Dhaka, Bangladesh.
13. June 2-5, 2012. "The Cost of Mitigation under the Clean Development Mechanism: A Cost Function Evaluation." 2012 Annual Conference of American Environmental and Resource Economics Association (AERE), Asheville, NC.
14. June 26-30, 2012. "Cross-Country Adoption of the Clean Development Mechanism," 19th Annual Conference of the European Association of Environmental and Resource Economics (EAERE), Prague, Czech Republic.
15. December 18, 2012. "Adoption of the Clean Development Mechanism of the Kyoto Protocol." 2012 Bangladesh Conference of the Association for Economic and Development Studies on Bangladesh (AEDSB), Dhaka, Bangladesh.
16. June 26-30, 2013. "Costs of Certified Emission Reduction under the Clean Development of the Kyoto Protocol." 20th Annual Conference of the European Association of Environmental and Resource Economics (EAERE), Toulouse, France.
17. December 26, 2013. "Energy Cost Structure of the Clean Development Mechanism." 2013 Bangladesh Conference of the Association for Economic and Development Studies on Bangladesh (AEDSB), Dhaka, Bangladesh.
18. Rahman, S. M. "The Incidence and Extent of the CDM across Developing Countries," Invited paper presented at the ERG-IGC Development Research Seminar organized by Economics Research Group – International Growth Center, Dhaka, December 28, 2014.

GRANTS AND AWARDS: Total amount of grants $306,357; own portion $87,152

1. **Project Title:** Design and Implementation of an Effective Agricultural Marketing Information System for Bangladesh

   Funding Agency: FAS-USDA

   Principal Investigators: Surya Yadav (PI), **Shaikh M. Rahman** (Co-PI), and Terri Giddens (Co-PI).

   Outcome: The proposal was awarded with grant. Total amount funded: $223,454; own portion of total amount: $67,036.

2. **Project Title:** Bangladesh Agricultural Marketing Information System (BAMIS) - Implementation and Transition to DAM server

   Funding Agency: FAS-USDA

Principal Investigators: Surya Yadav (PI), **Shaikh M. Rahman** (Co-PI), and Terri Giddens (Co-PI).

Outcome: The proposal was awarded with grants. Total amount funded: $53,187; own portion of total amount: $15,956

3. **Project Title:** Conference for Developing a Regional Agricultural Undergraduate Research Consortium

   Funding Agency: NIFA-USDA

   Principal Investigators: Jonathan Ulmer (PI), **Shaikh M. Rahman** (Co-PI), Samantha Kahl (Co-PI), Jyotsna Sharma (Co-PI), Louis Mills (Co-PI), and Sara Trojan (Co-PI).

   Outcome: The proposal was awarded with grants (in January 2015). Total amount funded: $29,716; own portion of total amount: $4,160.

GRADUATE STUDENT COMMITTEES:

Chair:

1. Bushra F. Khan, M. S. in Agricultural and Applied Economics. **Committee Chair**. Title of Thesis: *Determinants of Futures Price Volatility of Storable Agricultural Commodities: The Case of Cotton*. **Completed** in December 2014.
2. Qizhi Wang, Ph.D. in Agricultural and Applied Economics. Title of dissertation: "Modeling Upland Cotton Yield Distributions in Texas: An Evaluation of Cotton GRP Insurance Program." **Completed:** October 2012.
3. Rami Elhelou, M.S. in Agricultural and Applied Economics. Title of thesis: "Effects of Futures Market manipulation on Crude oil Price: An Empirical Approach." **Completed:** May 2011.

Member:

1. Abbes Tangaoui, Ph.D. in Agricultural and Applied Economics. Title of dissertation: "Feasibility Study of a Multiproduct Bio-refinery in West Texas from Cotton Gin Waste." **Completed** in June 2014.
2. Margil Funtanilla, Ph.D. in Agricultural and Applied Economics. Title of dissertation: "Estimating Dynamic Models of Price and Non-price Conducts in a Differentiated Products Oligopoly: The Case of the U. S. Salty Snack Industry." **Completed:** May 2013.
3. Matthew Earlam, M.S. in Agricultural and Applied Economics. Title of thesis: "The Relevance of the Current ICE Cotton No. 2 Futures contract Delivery Specifications." **Completed:** June 2011.

UNDERGRADUATE STUDENT ADVISING:

Currently advising 12 undergraduate students

An advisor of the Undergraduate Ag Economics Association of TTU

TEACHING RESPONSIBILITIES:

Undergraduate Courses

Commodity Futures Trading and Analyses (AAEC 4317): A three-credit-hour undergraduate (senior level) course which is designed to provide students with a solid understanding of the futures and options markets and practical experience in trading the derivatives. This course helps students improving their real life decision making process, and prepare them for the job market. I use an economic perspective to analyze the functions of the futures and options markets, and explain the mechanics of different trading strategies for arbitrage, speculation, and hedging with commodities and financial instruments. In addition, each student individually trades commodities and financial futures in a simulated futures trading platform to have practical experience. Personnel from the industry are invited to deliver guest lectures in the class about the industry, situation of the job market, and requirements of the prospective employers.

Semesters Taught – Every Fall and Spring since January 2009.

Improvements: Over that last five years, the course has been improved to meet the needs of the students and the job market. Course materials and lecture slides have been revised continuously. A commodity trading simulation game (TradeSim) was introduced in Fall 2009, so that students gain experience in trading futures. The game was substituted by a better alternative (FactSim) in Spring 2011. Students competes against each other while participating in the game. Notes for reviews of mathematics and statistics were added in the course web page in Spring 2013. Starting from Fall 2013, home works have been solved in class by the students for a participation grade.

Agricultural Price Theory (AAEC 3315): A three-credit-hour undergraduate (junior level) economic theory course that is required for the B.S. degree in Agricultural and Applied Economics. The course focuses on basic microeconomic principles with applications to agricultural pricing problems and resource allocations. Key areas of the course include consumer behavior (decision making at the consumer level), producer behavior (decision making at the producer level), interactions of the consumers and producers at alternative market structures to discover prices, and impact of different economic and regulatory policies on prices and social welfare.

Semesters Taught – Summer II of 2009, 2011, 2013, and 2014.

Improvements: Over the years, the course materials and teaching method have been improved to meet the needs of the students. In 2009 and 2011, the course was taught following the materials used by previous instructor. An up-to-date text book was adopted in 2013, and mathematical explanations of microeconomic concepts were introduced with traditional verbal and graphical approaches. New lecture notes are developed and made available in the course web page. For the convenience of the students, reviews of required mathematics were added in the curriculum. For better understanding, applications of microeconomic theory in real life are discussed with the students in an interactive manner.

Seminar (AAEC 3300): A three-credit-hour undergraduate (junior level) course. This course consists of two distinct content modules. The first module is a review of selected topics in microeconomics (consumer behavior, producer behavior, market structures, welfare economics, and trade), statistics, and data analyses required for senior level AAEC courses. The second module prepares students for employment search and assist them to transition from undergraduate studies into the workforce or to advanced study. Each of the topics of the course are taught by different instructors. My responsibility is to teach welfare economics.

Semesters Taught – Fall 2013 and Spring 2014.

Improvements: In Fall 2013, I developed course materials (selected texts, lecture notes, lecture slides, and homework problems) and taught welfare economics with policy implications (e.g., effects of welfare programs, quota, subsidy, and trade policies) using a graphical approach. In spring 2014, I used the mathematical approach in addition to graphical approach to teach the class. Problems on various policies are solved in the class, bot graphically and mathematically.

Introduction to Agricultural Economics (AAEC 2305): A three-credit-hour undergraduate (sophomore level) course required for the B.S. degrees in Agricultural and Applied Economics and Agribusiness Management. The course focuses on the fundamental economic principles and their application to problems and issues in the food, fiber, and natural resource sectors of the economy. The goal is to provide students with a solid understanding of the principles of economics and their application to everyday life and agriculture.

Semesters Taught – Fall 2009

Improvements: I adopted a new text book for the class and developed lecture notes and slides assuming that I would continue teaching this class. Because this is the first economics class students would have, I taught microeconomic theory using real life problems. My method was to describe a real life situation first, and then explain that using microeconomic concepts and eventually presenting the theory. However, as I

taught the course only once, I did not get the opportunity to improve the course based on my experience. The department's needs and resources changed in the meantime, and the teaching responsibility was reallocated.

Graduate Courses

Financial and Commodity Futures (AAEC 5317): A three-credit-hour graduate course consisting of three hours of lecture, piggybacked on AAEC 4317. In addition to the requirements for AAEC 4317, graduate students are required to individually write a research paper on a relevant topic. While the course materials, lectures, and simulated trading provides the same level of understandings and experience, the research paper requirement stimulates new ideas, learning research methodology, and prepares the graduate students for higher levels of scientific research. The distribution of grades for different tasks for AAEC 5317 is different from that for AAEC 4317.

Semesters Taught – Every Fall and Spring since January 2009

Improvements: In addition to the improvements as mentioned for AAEC 4317, specific formats of the graduate paper was designed and implemented in Fall 2010. Special meetings with the graduate students were scheduled, and drafts were reviewed for improvement and timely completion.

Master's Thesis (AAEC 6000): A three-credit-hour graduate course for the purpose of guiding master's students for the development of their thesis.

Semesters Taught – Every Fall and Spring since January 2009

Graduate Research (AAEC 7000): A three-credit-hour graduate course for the purpose of guiding graduate students through individual research projects.

Semesters Taught – Every Fall and Spring since January 2009

Doctoral Dissertation (AAEC 8000): A three-credit-hour graduate course for the purpose of guiding doctoral students for the development of their dissertation.

Semesters Taught – Every Fall and Spring since January 2009

SERVICE TO PROFESSIONAL ORGANIZATIONS:

International:

1. Chaired a session on international agreements for climate change mitigation at the 19th Annual Conference of the European Association of Environmental and Resource Economics (EAERE), June 26-30, 2012, Prague, Czech Republic.

2. Chaired a session on environment and development at the 20th Annual Conference of the European Association of Environmental and Resource Economics (EAERE), June 26-30, 2013, Toulouse, France.

National:

1. Chaired a session on environmental economics at the 2004 Annual Meeting of the American Agricultural Economic Association (AAEA), August 1-4, 2004, Denver, CO.
2. Chaired a session at at the 2009 Annual Meeting of the Agricultural and Applied Economic Association (AAEA), July 26-28, 2009, Milwaukee, WI.
3. Chaired a session at the 2010 Annual Meeting of the Agricultural and Applied Economic Association (AAEA), July 25-27, 2010, Denver, CO.
4. Chaired a session on climate change mitigation at the 2012 Annual Conference of American Environmental and Resource Economics Association (AERE), June 2-5, 2012, Asheville, NC.

Regional:

1. Reviewed 5 abstracts submitted for selected paper sessions the 2010 Annual Meeting of the Southern Agricultural Economics Association.
2. Reviewed 6 abstracts submitted for selected paper sessions the 2011 Annual Meeting of the Southern Agricultural Economics Association.
3. Reviewed 6 abstracts submitted for selected paper sessions the 2012 Annual Meeting of the Southern Agricultural Economics Association.
4. Reviewed 22 posters submitted for the 2013 Annual Meeting of the Southern Agricultural Economics Association.

OTHER PROFESSIONAL SERVICE:

1. Refereed 4 papers submitted for publication in Environmental and Resource Economics (journal reviewer since 2011)
2. Refereed 2 papers submitted for publication in Environment and Development Economics (journal reviewer since 2012)
3. Refereed 2 papers submitted for publication in Energy Economics (journal reviewer since 2013)

CONSULTING ACTIVITIES:

1. Consultant of United Nations Framework Convention on Climate Change, since 2013.

2. Consultant of the World Bank, 2007-2008
3. Consultant of International Food Policy Research Institute (IFPRI), 2001-05.

SERVICE TO:

University:

1. Served as the Dean's Representative at the Ph. D. Dissertation defense of Mouze Kebede, Department of Agricultural and Applied Economics, TTU. Dissertation title: "Three essays in Chinese demand for textile and its implication on world cotton market." Chair: Dr. Darren Hudson. Defense Date: 25 May, 2012.
2. Served as the Dean's Representative at the Ph. D. Dissertation defense of Glen Teal, Department of Education, TTU. Dissertation title: "Expanding Transformational Leadership Theory by Studying Growth Mindset Principals in Schools with Increased Economic Diversity: A Collective Case Study." Chair: Dr. JoAnn Klinker. Defense date 11 Oct. 2012.
3. Served as the Dean's Representative at the Ph. D. Dissertation defense of Leia Barrett, Department of Education, TTU. Dissertation Title: "Lubbock Symphony Orchestra Education Department Internship during the 2011-2012 Concert Season: An Internship Report." Chair: Dr. Michael Stoune. Defense Date: 7 October, 2013.

College:

1. Member of CASNR Research Enhancement Program committee, September 2011 to present
2. Member of CASNR STEM Council, September 2012 to present
3. Organized a CASNR STEM Council workshop on Undergraduate Research in 2013.

Department:

1. Member of Undergraduate Internships and Scholarships Committee, since September 2009 to present.
2. Faculty Advisor for undergraduate students, since January 2009 to present.
3. Graded Ph.D. written Comprehensive Examination every year since 2009.
4. Reviewed prospective graduate student applications every year since 2009.
5. Participated in recruitment of undergraduate students for the Department of Agricultural and Applied Economics during annual events such as University Day, since 2009 to present.

6. Participated in a faculty team to develop review of required mathematics (algebra and calculus) for different AAEC courses. The materials are made available for the students.
7. Recruitment of undergraduate students during annual events such as University Day