

Curriculum Vitae

Richard K. Ford

Adjunct Professor

Department of Agricultural Sciences

College of Sciences and Engineering Technology

Sam Houston State University

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Formal Education

Doctor of Education, 2005

Major: Agricultural Education Texas A&M University/Texas
Tech University

Dissertation: Preparation to Teach Agricultural Mechanics: A
Qualitative Case Study of Expert Agricultural Science and Technology
Teachers in Texas

Master of Education, 1991

Major: Agricultural Education Texas A & I University

Bachelor of Science, 1981

Major: Agricultural Education Texas A&M University

High School: 1977 Lockney High School

Professional Experience

January 2015- present

Department of Agricultural Sciences and Engineering Technology
Sam Houston State University

Adjunct Professor (August 2022- present)

Assistant Professor (August 2018-August 2022)

Adjunct Professor (May 2015-August 2018)

Instructor and Laboratory Coordinator (January 2015-May 2015)

Present Duties – August 2022

Instructor for Master of Science in Agriculture course including AGRI 5300, AGRI 5310, AGRI 5330, AGRI 5369, January 2015-August 2022 coordinate and conduct professional development activities for agriculture, food, and natural resource (AFNR) teachers; coordinate, facilitate, and conduct area, state, and national FFA activities; develop materials for FFA career development events; conduct research and obtain external funding; student advisement; student recruitment.

August 2015-May 2022

Instructor for AGET 3300 (Agricultural Electrification), AGET 3380 (Agricultural Machinery), AGET 3383 (Soil and Water Conservation), AGET 4384 (Joining and Fusing Metallic and Non-metallic Materials), AGET 4385 (Applied Electronics & Hydraulics in Agriculture), AGET 4387 (Agricultural Engines and Tractors), AGET 4390 Turf and Cropland Drainage and Irrigation, AGET 4392 GPS/GIS Applications in Agriculture and Construction, AGET 5300 (Joining and Fusing Metallic and Non-metallic Materials); coordinate and conduct professional development activities for agriculture, food, and natural resource (AFNR) teachers; coordinate, facilitate, and conduct area, state, and national FFA activities; develop materials for FFA career development events; conduct research and obtain external funding; student advisement; student recruitment.

July 2010- August 2013

Texas A&M University – Borlaug Institute for International Agriculture

Deputy Chief of Party

Supervise project implementation at John Garang Memorial University of Science and Technology (JGMUST); supervise construction of biology, chemistry, environmental and agricultural science laboratories; supervise procurement of laboratory equipment for labs at JGMUST; coordinate and conduct agricultural projects in the private sector around Bor, South Sudan.

Project Manager

Supervise construction of Herat University Faculty of Agriculture (HUFA), Herat Afghanistan; coordinate procurement of equipment for HUFA laboratories and classrooms; supervise agricultural capacity building projects in Herat Province; supervise construction of 5 food processing centers, two saffron processing centers, and two center-pivot irrigation systems in Herat Province.

May 2007- May 2010

Craft Training Center of the Coastal Bend

Director of Education

Supervise instruction for 500 students (250 high school attendees and 250 adults) in professional craft training for welding, pipe fitting, instrumentation, scaffolding, industrial painting, electricity, and plumbing; assist instructors with teaching strategies and assessments; student recruitment; student advisement; public relations.

September 2004-August 2006

Southwest Industrial Services

Welding Supervisor

Plan, design, and supervise construction of jib cranes for industrial clients; install bridge cranes for industrial construction clients; assist management of company budget and resources.

August 1993-May 2004

Calallen ISD

Agricultural Science Teacher

Teaching Assignments:

Introduction to Agricultural Mechanics, Agricultural Power, Home Improvement, Agricultural Mechanics Pre-Employment Laboratory, Food Technology, Veterinary Technician Laboratory Training, Agricultural Cooperative Part-time Training.

Training Assignments:

FFA Skills, FFA Radio, Agricultural Mechanics, Livestock Judging, Meats Judging, Exhibition of Livestock.

Additional Responsibilities:

Supervision of Supervised Agricultural Experience Programs (SAEP's); coordinate and produce local livestock show; supervise students at district, area, state, and national conventions and conferences; mentor and prepare students involved in officer competitions and leadership roles at district, area, state, and national levels; train and supervise students competing in district, area, state, and national competitive FFA events; manage and operate departmental budget and fund-raising events; erect, maintain, and improve departmental and FFA facilities.

August 1992-August 1993

Texas A&M University – Kingsville

Lecturer/ Farm Manager

Teaching Assignments:

Introduction to Agricultural Mechanics, Agricultural Structures, Farm Power and Machinery, Agricultural Welding

Additional Duties:

Manage university farm projects including 100 head cow-calf operation, 90 sow farrow to finish operation, 30 head sheep flock, 50 head meat goat operation; supervise daily management of animals and facilities, operate under university budget, coordinate research and recruitment activities; coordinate area FFA activities.

December 1981-August 1991

Calallen ISD

Agricultural Science Teacher

Training Assignments:

FFA Skills, FFA Radio, Agricultural Mechanics, Livestock Judging, Meats Judging, Exhibition of Livestock.

Teaching Assignments:

Introduction to Agricultural Mechanics, Agricultural Power, Home Improvement, Agricultural Mechanics Pre-Employment Laboratory, Food Technology, Veterinary Technician Laboratory Training, Agricultural Cooperative Part-time Training.

Additional Responsibilities:

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national competitive FFA events; manage and operate departmental budget and fund-raising events; erect, maintain, and improve departmental and FFA facilities.

Publications and Research

Dissertation: *Preparation to Teach Agricultural Mechanics: A Qualitative Case Study of Expert Agricultural Science and Technology Teachers in Texas*

Ford, R. K., Shinn, G. C. (Presentation). *Perspectives of successful agricultural science and technology teachers on their preparation to teach agricultural mechanics*. Southern Agricultural Education Research Conference (SAERC) Dallas, Texas (February 2008).

Shinn, G. C., **Ford**, R. K., & Attaie, R.. (2012). Understanding Afghan opinion leaders viewpoints about post-conflict foreign agricultural development: A case study in Herat Province, Afghanistan. *28th AIAEE World Conference Research Session*. Bangkok, Thailand. May 22, 2012. Recognized as Second Runner-up Outstanding Conference Paper.

Shiin, G. C., **Ford**, R. K., Attaie, R., & Briers, G. E. (2012). Understanding Afghan opinion leaders' viewpoints about post-conflict foreign agricultural development: A case study in Herat, Province Afghanistan. *Journal of International Agricultural & Extension Education*. Summer 19(2).

McDow, B., Saucier, P. R., **Ford**, R. K. (Poster). University students' perceptions on energy sustainability: A focus on Sam Houston State University. 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference, Indianapolis, IN. (October 2018)

Spindle, E., Saucier, P. R. , **Ford**, R. K. (Poster). Professional development needs of Texas agricultural, food, and natural resource teachers who supervise students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show. 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference, Indianapolis, IN. (October 2018)

Ford, R.K., Lund, Randy (2019) A summary of DOT inspection results for student constructed SAE projects intended for exhibition at a junior agricultural mechanics project show. Published in the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference Proceedings. Indianapolis, IN.

Watkins, C., **Ford, R. K.,** Saucier, P. Ryan, (2019) Petroleum-based diesel and biodiesel performance in a farm utility tractor: Impacts of seasonal weather conditions on horsepower performance. Published in the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference Proceedings. Indianapolis, IN.

Ford, R. K. , Saucier, P. R. (Poster) Utilizing vehicle mounted Global Positioning Systems (GPS) to increase Science, Technology, Engineering, and Mathematical comprehension for precision agriculture: From theoretical concepts to real-world applications, Poster presentation online submissions AAAE (May 2020)

Ford, R. K. , Saucier, P. R. (Poster) Tractor Technician Career Development Event Professional Development Workshop: Classroom Instruction to Career Opportunities, , Poster presentation online submissions, AAAE (May 2020)

Ford, R. K., Ullrich Jr, Doug, Basith, Iftekhar, USDA Goal 5, Statewide Agricultural Biosecurity Curriculum Development and Implementation for Texas High Schools. USDA Grant (proposed August 2020)