SELF STUDY

SECTION ONE

Includes department profile, faculty & staff information, student data, program costs, and support functions.
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ABOUT THE SCHOOL OF APPLIED SCIENCES, TECHNOLOGY AND EDUCATION

Much has changed since the last review of the Agricultural Systems Technology and Education departmental review was compiled in 2006. The School of Applied Sciences, Technology & Education began as the Department of Agricultural Systems Technology and Education evolved to a more inclusive academic unit. The main impetus to stretch our identity came from the merger of the College of Eastern with Utah State University in 2010. In this merger, many applied programs and faculty were brought into the college and department. With this came the need to expand the identity of the academic home of these programs and as such the request to become a School of Applied Sciences, Technology & Education was approved in the summer of 2011. With the creation of the School, other technology based programs joined the unit. In January of 2012, the Aviation Technology and Engineering and Technology Education programs were transferred to the College of Agriculture and into the School of Applied Sciences, Technology & Education. The School of Applied Sciences, Technology & Education provides instruction to students seeking a certificate, or an associate, baccalaureate or graduate degree. These innovative degree programs allow students to gain expertise in the fields of agriculture, applied sciences, aviation, business, machinery and technology. Additionally, opportunities are available for teacher licensure in agricultural education; family and consumer sciences education; and technology and engineering education. The primary focus of the department is clearly on undergraduate instruction with research and Extension assignments for faculty based in Logan as well.

MISSION AND GOALS

The mission of the School of Applied Sciences, Technology and Education is to apply the Land Grant University philosophy to teaching & learning, discovery, research, and outreach. The School applies a multidisciplinary systems science approach for the resolution of family, agricultural and applied science matters through the advancement of education, technology transfer, scientific inquiry, and agricultural mechanization.

• We prepare educators in agriculture, family and consumer sciences, and technology and engineering education.
• We apply research guided practices as we recruit, prepare, and provide instruction for individuals in agricultural, aviation, family and consumer sciences, and technological advancement careers.
• We serve the people and dispense research-based information as we assist them with
family, agricultural and technology issues, literacy, needs, opportunities, and challenges.

- We value serving all populations, developing the whole person, responding to the needs of the marketplace, and functioning as a part of the total higher education system.

We use proven educational processes which include formal and informal instruction, experiential learning, leadership, and personal development at an under graduate, graduate, and community based level.

The School brings enthusiasm to the mission of Utah State University in supporting student-centered instruction. We believe in teaching students to be contributing members of their communities and societies.

PROGRAM DESCRIPTIONS

The School provides opportunities for students to earn Certificates of Completion in nine areas; seven Associate of Applied Science degrees; one Associate of Science degree; six Bachelor of Science degrees; two Master of Science degrees; one Master of Education degree; and we are a cooperating department in the Curriculum and Instruction Doctor of Philosophy degree program.

The programs are primarily located at the USU-Eastern campuses (Price and Blanding) for the certificate and associate programs and the Logan campus for the bachelor’s and graduate programs. USU-Eastern has seen a slight decline in credit-based students since 2011. We expect academic programs to see an increase in enrollment due to the new enrollment manager position that has been filled.

Enrollment trends for undergraduate programs at Logan show stable, steady growth while the graduate enrollment is stable at around 25 students. We anticipate expansion in our graduate program due to the Master of Education in Career and Technical Education being offered online. Figure 1 shows the undergraduate program enrollment for the Logan campus and Figure 2 shows the matriculated graduate students in our programs.

UNDERGRADUATE DEGREES OFFERED

The School offers ten Certificates of Completion; seven Associate of Applied Science degrees; one Associate of Science degree; seven Bachelor of Science degrees; two Master of Science degrees; and one Master of Education degree. See Figures 1-3 for trends in enrollment.
USU-Eastern based undergraduate programs

![Bar chart showing numbers of undergraduate students with declared majors administered through ASTE at USU Eastern in the Fall cohort.]

**Figure 1. Numbers of undergraduate students with declared majors administered through ASTE at USU Eastern in the Fall cohort.**

The **Accounting/Information Systems** (Certificate) program affords students a specialization in key business-related skills, as well as satisfies the computerized accounting requirement of many real-world jobs. Faculty: Russell Goodrich – Associate Professor, Betty Hassell – Associate Professor, Eric Mantz – Associate Professor, Henning Olsen – Associate Professor, Elaine Youngberg – Associate Professor.

USU Eastern has been recognized by the Industry Planning Council as one of the top three **Automotive Technology** programs in the USA. Students have two degree options within the Automotive Technology Program. Students can attend one year and obtain a Certificate of Completion or complete two years and obtain an Associate of Applied Science in Automotive Technology. The Automotive Technology curriculum follows the guidelines established by the National Automotive Technician Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE). The curriculum follows the safety requirements, areas of focus, time frames and recognized task list designed by the above two agencies. Faculty: Stan Martineau – Associate Professor, Todd Richardson – PCTE Lecturer, Mike Kava – Lecturer and
The Building Construction and Construction Management Program offers a one year Certificate of Completion as well as a two year Associate of Applied Science degree. Students who complete the certificate program will have a basic knowledge in architectural drawings, floor layout, wall and roof systems, siding application, soffit and fascia applications, and the installation of siding, windows, doors, stairs and interior trim. The Associate of Applied Science degree prepares students for construction management positions, small business ownership, and general contracting. Faculty: Kent Dalton, Lecturer

The Cosmetology program offers a one year Certificate of Completion as well as a two year Associate of Applied Science degree. As a USU Eastern graduate, many jobs will be open including hairstylist, colorist, nail technician, educator, platform artist, or make-up artist. Graduates may choose to work in an independent salon, a spa salon, a national franchise, or an independent chain. They may specialize in salon management or massage, and may even team up with chemists to develop and market their own product line. Faculty: Lisa Critchlow – Adjunct Faculty, Linda Davis – Associate Professor, Debra Prichard – Associate Professor.

The Engineering Drafting and Design Technology Program is designed to provide instruction for students pursuing entry level employment or technical upgrading in mechanical, architectural, and construction drafting fields. Individuals interested in Pursuing a career in drafting will study basic drafting standards, learn computer-aided drawing skills, and acquire the knowledge necessary for the documentation’s of designs used for production and support of industry. The USU Eastern offers a one-year Certificate of Completion in Engineering Drafting and Design Technology. Students are encouraged to complete their associate’s degree as well, in order to be better prepared to enter the workforce. Faculty: Elias Perez – Associate Professor.

The Heavy Equipment and Trucking program is open-entry/open-exit certificate, which is designed so students can enter when convenient for them. Skills are competency based meaning a skill must be mastered before advancing on to the next skill. The program emphasizes hands-on training with support classes directly related to training. Students interested in obtaining the Commercial Driver’s License (CDL) can register for the Trucking program at any time on an open-entry/open-exit basis. The job market is very much in need of qualified drivers with a CDL and truck driving training. There are many trucking companies that have hiring programs for students with these qualifications. Faculty: Leon McElprang – Associate Professor, Justin Bergeman, Hugh Christiansen – PCTE Instructor

The Machine Tool Technology (certificate) courses are support courses for the automotive, diesel, and welding programs. These courses are open to all students. Faculty: Ed Callor – Adjunct Faculty, Dean Collard – Associate Professor.
The Mining program provides high quality training and assistance to the mining industry in Utah. The program consists of conducting training classes, assisting mine operators with the preparation of training plans, developing training curriculum, and providing guidance in improving health and safety in the mines throughout the State of Utah. The services are offered to the small mine operators, large mine operators, contractors and others working or planning to work on mine property. Training is conducted in accordance with 30 CFR Parts 46 and 48 requirements by MSHA approved instructors either on campus or at the mine site. This program is slated for discontinuance at the end of this year. Faculty: Dale Evans, Lecturer and Randy Mabbutt, Lecturer

A certificate in Office Computer Systems allows students to gain advanced, hands-on, skills using office related computer applications such as word processing, spreadsheets, databases, and Web design. Faculty: Russell Goodrich – Associate Professor, Betty Hassell – Associate Professor, Eric Mantz – Associate Professor, Henning Olsen – Associate Professor, Elaine Youngberg – Associate Professor.

Welding Technology students have three degree options in which to choose. Students can obtain a one year Certificate of Completion in Welding Technology in preparation to enter the job market as a skilled welder. Proficient students are able to obtain welder certifications for SMAW, GMAW, FCAW, and GTAW to AWS code requirements. The second option is to pursue an Associate of Applied Science degree in Welding Technology. Students pursuing this degree are expected to be qualified candidates for welding equipment salesman, inspectors, and foreman or supervision responsibilities in welding related fields. The third option consists of students working toward an Associate of Science degree with an emphasis in Welding Technology. This option is for students planning to pursue a baccalaureate degree at a four year institution after graduating from USU Eastern. Mike Tryon – Associate Professor, Lon Youngberg – Associate Professor, Sasha Bambas – PCTE Assistant Professor

An Associates of Applied Sciences in Business Administration is designed to provide not only job-ready skills for office positions, but also key business knowledge to successfully run a small business as either a manager or owner and increase your potential for accelerated advancement. Faculty: Russell Goodrich – Associate Professor, Betty Hassell – Associate Professor, Eric Mantz – Associate Professor, Henning Olsen – Associate Professor, Elaine Youngberg – Associate Professor.

The Associates of Applied Sciences in Diesel Equipment Technology at USU Eastern has been designed to prepare a student for a career in either "on highway" or "off road" industry by offering theory and hands on instruction related to the common sub-systems used in both equipment areas. By taking a broad spectrum of classes, a student is able to get a feel for the diesel industry. A student will also be able to focus on a particular emphasis, while the
experience in various study areas provides for diversified employment opportunities upon completion. Live work is incorporated into all courses as it becomes available and as it fits into the curriculum. Faculty: Dean Collard – Associate Professor and Stan Martineau – Associate Professor

The new Associates of Applied Science in **IT Support and Web Development** combines the best of web design training and with the technical aspects of maintaining a local area network for small businesses. Faculty: Russell Goodrich – Associate Professor, Betty Hassell – Associate Professor, Eric Mantz – Associate Professor, Henning Olsen – Associate Professor, Elaine Youngberg – Associate Professor.

The Associate of Science Degree in **Business** is designed to help students transfer to a four-year school. This 65-hour (four full-time semesters) degree is designed for students interested in completing a Bachelor of Science Degree in Accounting, Marketing, or Finance at the university level. Students first complete the Associate of Science Degree at USU Eastern, then pick one of the above majors once they transfer to their chosen four-year university. Faculty: Russell Goodrich – Associate Professor, Betty Hassell – Associate Professor, Eric Mantz – Associate Professor, Henning Olsen – Associate Professor, Elaine Youngberg – Associate Professor.

**Logan-based undergraduate programs**

![Graph](image.png)

*Figure 2. Numbers of undergraduate students with declared majors administered through ASTE on the Logan campus in the Fall cohort.*
ASTE offers both a one-year technology certificate and an Associate of Applied Science degree in Agricultural Machinery Technology. The one-year certificate program is designed to familiarize students with the agricultural equipment industry and the associate's degree serves as a second-year continuation of the certificate program. This degree transitions very easily into a bachelor's program in agricultural systems technology or agricultural education, if desired. Students in this program readily transition into the Agricultural Systems Technology (AST) major and the courses used in this program are also used in support of the AST and Agricultural Education programs. AMT course enrollments are strong due to the synergistic programs. Royce Hatch, lecturer, is the program’s faculty lead.

The Agricultural Systems Technology (Bachelor of Science) degree prepares individuals to manage agricultural systems and agribusinesses with the application of sound technical, economical, and environmental practices. The focal point of the program is on the management, use, and troubleshooting of agricultural technology. Students’ coursework typically involves a broad foundation through real-world instruction in power and machine systems, natural resources conservation, electricity and electronics, precision agriculture technologies, and agricultural structural systems. Michael Pate provides the program leadership in this area.

The Agricultural Communications and Journalism (Bachelor of Science) in collaboration with the Department of Journalism and Communication, results in a dual major for our students. This degree is designed to change people's behaviors. The agricultural production and processing industry is faced with issues of image, ethics and survival. American agriculture comes under fire from consumers, government agencies and environmental interest groups. The greatest deficiency of agricultural production and processing is the effective communication of ideals and standards to wide and varied audiences. A significant demand exists in agribusiness and related fields for skilled communicators. This program combines courses in journalism and agriculture to develop a well-rounded agricultural communication professional. This degree program was initiated in 2007 and is led by Kelsey Hall, assistant professor.

The Agricultural Education Bachelor of Science program prepares students for careers as secondary teachers. A degree in agricultural education opens the door for students to share their passion about the science and production of food, fiber and natural resources. The program is designed to develop the needed background knowledge of basic agricultural concepts and technologies for teaching and cooperative extension. Agricultural educators instruct students in subjects including animal science, plant science, horticulture, agriculture mechanics, veterinary science and others. Through these subjects, agricultural educators teach
students a wide variety of skills, including science, math, communications, leadership, management and technology. Coursework covers topics in such fields as agricultural economics; agricultural mechanization; animal, dairy and veterinary sciences; plant and soil science; and natural resources. Students choosing this major must also be admitted to the Secondary Teacher Education Program (STEP) administered by the College of Human Services. Brian Warnick, Associate Professor, is the lead faculty member for Agricultural Education.

The Aviation Technology program offers two Bachelor of Science degrees – Aviation Technology – Professional Pilot and Aviation Technology – Maintenance Management. The Aviation Technology program at USU includes Bachelor of Science degrees in Professional Pilot and Maintenance Management. The Aviation Technology program prides itself in applying cutting-edge technology with exceptional training to produce the best quality of pilots and technicians the industry needs. Randy Chesley, Lecturer, is the program lead for Maintenance Management with Larry Hemingway, Principle Lecturer, providing oversight of the Professional Pilot degree. Aaron Dyches is the Chief Flight Instructor and oversees the airport operations. The Aviation Technology program boasts the largest student enrollment in the School.

Family and Consumer Sciences Education (Bachelor of Science) prepares students for family life, work life, and careers in family and consumer sciences by providing learning opportunities and experiences to develop the knowledge, skills, attitudes, and behaviors needed for living and working in a global society. Students explore and apply concepts related to financial and resource management; health, foods and nutrition; wellness; child development, parenting and family life; clothing and textiles, and interior design and housing as they prepare to be Family and Consumer Sciences middle and secondary educators. Students choosing this major must also be admitted to the Secondary Teacher Education Program (STEP) administered by the College of Human Services. Lindsey Shirley, assistant professor, leads the FSCE program.

A Bachelor of Science degree in Technology and Engineering Education (TEE) prepares students to become qualified instructors who can teach the necessary skills required in our changing world. The ever-increasing rate of technological development and the impacts of globalization have created a demand for individuals who are technologically literate, innovative and capable of working in teams. The world is looking toward specialized educators to meet this demand. Students have the option to emphasize their studies in Technology and Engineering Education or Trade and Technical Education. A Technology and Engineering Education emphasis is designed to prepare students for careers in teaching at the middle school and high school levels. The courses in this major consist of communication,
manufacturing, energy, power and transportation classes. A Trade and Technical Education emphasis is designed to prepare students for teaching Career and Technical Education (CTE) courses at the high school and post-high school levels. The courses in this major consist of classes within a declared expertise of building trades, automotive technology, electricity and electronics, computer-aided drafting, nursing or culinary arts. Dr. Gary Stewardson, Associate Professor, provides the oversight for the TEE undergraduate program.

GRADUATE DEGREES OFFERED

The M.S. degree in Technology and Engineering Education offers students flexibility in designing their own program. This degree is designed for teachers of technology education and trade and technical education. People with related undergraduate degrees are encouraged to advance their careers through this degree. This degree program has traditionally been offered in the summer as a condensed, 4-week residential program. Ed Reeve, Professor, provides leadership to this program.

Working professionals in extension, adult, and community education as well as those in school-based career and technical education must be life-long learners. The Master of Science
program in Agricultural Systems Technology emphasizes a wide range of teaching and learning skills. Focus is placed on skill development, program planning, and evaluation techniques. It also requires proficiency in research methodology and statistical applications. The Master of Science program in Agricultural Systems Technology offers specializations in Agricultural Extension Education, in Family and Consumer Sciences Education and Extension (FCSEE), and in Secondary and Post-Secondary Agricultural Education. We are currently working to rename the degree Agriculture and Applied Sciences with emphases in Agricultural Extension Education, Family and Consumer Sciences Education and Extension, and Agricultural Education. Lindsey Shirley provides leadership in this program.

We initiated a Master of Education in Career and Technical Education degree program in 2013. This online professional degree program is designed to meet the needs of practicing educators and engage prospective educators in the Career and Technical Education (CTE) profession. This degree does not require a thesis and can be completed in as little as two years. The program provides students with the flexibility to pursue specific CTE areas, instructional technology, educational leadership, non-formal and adult education, and STEM areas. This professional degree program was added as a result of our graduate program review effort in 2012. Debra Spielmaker, Extension Assistant Professor is guiding this new program offering.

The School is a cooperating partner in the Curriculum and Instruction (C&I) doctoral degree program administered through the School of Teacher Education and Leadership in the College of Education and Human Services. Students who complete the C&I specialization program receive a degree with an area of emphasis in technology and engineering education. The faculty have expressed an interest in pursuing the development of an agricultural education emphasis as well. This is a research degree and is primarily chosen by people who are seeking teaching/research positions in colleges and universities. Other than this partnership effort, the unit does not offer any other doctoral degrees.

ALIGNMENT OF PROGRAMS WITH DEPARTMENT MISSION AND INTERACTION

The School of ASTE continually evolves and relies heavily on faculty leadership at the program levels. Alignment and interaction are included in each program’s assessment materials located in Section 2.

EXTENSION AND OUTREACH PROGRAMS

The School has four faculty members with budgeted Extension funding: Richard Beard, Rhonda Miller, Denise Stewardson, and Lindsey Shirley. Additionally, two USDA funded Extension programs are housed in the school, AgrAbility by Rhonda Miller and the National
Program Leader, Debra Spielmaker, for Agriculture in the Classroom. In addition to these two externally supported programs, the programmatic emphases are pesticide education, agricultural environmental management, Agriculture in the Classroom, and clothing and textiles, respectively. Our academic programs are also engaged in outreach activities appropriate to each program. These outreach efforts are identified in the programmatic assessment materials located in Section 2.

RESEARCH
The School has seven faculty members with Research as their secondary component of their role statements. The combination of all of the weightings from the role statements accounts for just over two F.T.E focused upon research activities within the school. Five faculty members (Beard, Hall, R. Miller, Pate, and Warnick) also have approved Utah Agricultural Experiment Station projects. These projects provide partial salary support as well as some operating funds to support their efforts. Table 2, in the faculty research and scholarly productivity portion, provides a summary of the research productivity.

ISSUES AND CONSIDERATIONS
The evolution of the school occurring in the midst of severe economic stress within society of course provided many challenges. Issues related to individual programs are included in the program assessment materials. However, the self-study identified the following primary strengths and weaknesses of the unit.

**Strengths**

- Programmatic leadership
- Diversity/variety of programs with complementary attributes
- Active, engaged faculty members

**Weaknesses**

- Physical separation of programs and faculty members
- Managing variable programmatic demands with limited faculty resources within programs
- Developing stronger external/alternative funding support
Faculty

FACULTY HEADCOUNT, DIVERSITY, AND RANK
The department includes 50 faculty members with 19 located on the Logan campus, one located at the Uintah Basin Regional campus, and 30 at USU-Eastern. Table 1 provides an overview of the faculty headcount, rank, and diversity information. Appendix A shows the faculty members by location including role statement weightings, rank information, and credentials. When the merger of College of Eastern Utah and Utah State University occurred, all tenured faculty members at the CEU granted the title of Associate Professor.

Table 1. Full-time faulty overview

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headcount</td>
<td>13</td>
<td>13</td>
<td>14</td>
<td>42</td>
<td>47</td>
</tr>
<tr>
<td>Demographics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>%Female</td>
<td>46.2%</td>
<td>61.5%</td>
<td>57.1%</td>
<td>33.3%</td>
<td>25.5%</td>
</tr>
<tr>
<td>%Minority</td>
<td>7.7%</td>
<td>0%</td>
<td>0%</td>
<td>2.4%</td>
<td>2.1%</td>
</tr>
<tr>
<td>Rank</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professor</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Instructor</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Lecturer</td>
<td>5</td>
<td>7</td>
<td>6</td>
<td>15</td>
<td>16</td>
</tr>
</tbody>
</table>

FACULTY PROFILES
See Appendix B for faculty curriculum vitae information.

FACULTY RESEARCH AND SCHOLARLY PRODUCTIVITY
The School’s primary role assignments are heavily weighted in teaching as shown in Appendix A. The faculty are engaged in research and scholarship and seek funding to support research and outreach programs. Faculty members have a combined role weighting of approximately 2.0 FTE spread across multiple individuals. Other units in the College certainly have a higher focus upon research and funding; however, the faculty continue to have success in funding levels. Table 2 provides the contracts and grant amounts associated with the department with faculty as PIs. This data is not indicative of all contributions as the faculty roles are many times in secondary/support roles on grant projects. In CAAS, graduate student stipends are typically tied to extramural funding. The relatively low weighting of research, leading to lower extramural funding has a negative effect on graduate student recruitment.
Core faculty are publishing and active in their disciplines. A scholarly publication list (derived from the Digital Measure faculty database can be found in Appendix B.

Table 2. ASTE contract and grant amounts associated with faculty as Principle Investigators.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTE</td>
<td>$402,951</td>
<td>$792,932</td>
<td>$607,756</td>
<td>$797,616</td>
<td>$939,914</td>
<td>$523,886</td>
</tr>
</tbody>
</table>

ADJUNCT FACULTY AND GRADUATE ASSISTANTS FTE

With the exception of the aviation program, adjunct faculty are used on a limited basis and only in cases of a lack of short-term faculty capacity, or in some instances when an adjunct brings unique expertise to the program. An example of this would be in the case of the Technology and Engineering Education (TEE) Master of Science program where we hire a Career and Technical Education director from a local school district with discipline background in TEE to teach a Supervision and Administration course every other summer. The Aviation program has typically used several adjunct appointments to teach classes where we lack both capacity and expertise. Since the aviation program has been affiliated with the School, approximately 5 courses annually were taught by 4 adjunct teachers.

Graduate assistants have typically been funded through research projects by individual faculty members. The School is currently providing support to assist as GTA’s where needed and will be seeking a STEM Presidential Fellow for FY15. We currently have four PhD students enrolled in the Curriculum and Instruction PhD program (TEE emphasis) and one M.S. student in the Agricultural Systems Technology program each supported at the .5 FTE level. Our graduate programs have traditionally been more heavily focused on in-service secondary teachers in the career and technical education disciplines.

STUDENT–FACULTY RATIOS

Table 3. Student to faculty ratios are listed by course type.

<table>
<thead>
<tr>
<th>Cost Level</th>
<th>2007-08</th>
<th>2008-09</th>
<th>2009-10</th>
<th>2010-11</th>
<th>2011-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voc-Tech</td>
<td>16.07</td>
<td>22.50</td>
<td>23.85</td>
<td>18.68</td>
<td>5.99</td>
</tr>
<tr>
<td>Lower</td>
<td>15.24</td>
<td>13.00</td>
<td>63.45</td>
<td>77.97</td>
<td>34.18</td>
</tr>
<tr>
<td>Upper</td>
<td>29.37</td>
<td>21.32</td>
<td>37.83</td>
<td>30.67</td>
<td>41.87</td>
</tr>
<tr>
<td>Basic</td>
<td>4.00</td>
<td>24.19</td>
<td>7.85</td>
<td>4.33</td>
<td>0.58</td>
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<tr>
<td>Advanced</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>17.90</td>
<td>18.30</td>
<td>42.02</td>
<td>39.38</td>
<td>21.90</td>
</tr>
</tbody>
</table>
STUDENT CREDIT HOURS PRODUCED PER FULL-TIME EQUIVALENT FACULTY

The influx of faculty and programs from USU-Eastern, as well as the addition of the Aviation and Technology and Engineering Education programs, have provided challenges in interpreting student credit hour information and quite frankly the data does not appear to be consistent. In preparing the R-401 for the Business Education degree proposal, the data from the USU Budget office showed a current Student FTE of 656.74 and a total department FTE of 31.42 for a Student/Faculty ratio of 20.90. It should be noted that the non-credit student load that is done at USU-Eastern is not reflected in the student SCH, however the faculty values are in the budgeted support for USU-Eastern faculty. SCH totals can be found in Table 4.

Table 4. SCH for fall semester 2008-2012.

<table>
<thead>
<tr>
<th>Course Level</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>1011</td>
<td>3224</td>
<td>3284</td>
<td>3340</td>
<td>4486.5</td>
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<tr>
<td>2000</td>
<td>233</td>
<td>275</td>
<td>208</td>
<td>2316</td>
<td>2559</td>
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<tr>
<td>3000</td>
<td>1044</td>
<td>1506</td>
<td>1887</td>
<td>1960</td>
<td>1591</td>
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<tr>
<td>4000</td>
<td>89</td>
<td>217</td>
<td>188</td>
<td>183</td>
<td>290</td>
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<tr>
<td>5000</td>
<td>87</td>
<td>75</td>
<td>171</td>
<td>126</td>
<td>241</td>
</tr>
<tr>
<td>6000</td>
<td>187</td>
<td>164</td>
<td>185</td>
<td>135</td>
<td>141</td>
</tr>
<tr>
<td><strong>Total SCH</strong></td>
<td><strong>2651</strong></td>
<td><strong>5461</strong></td>
<td><strong>5923</strong></td>
<td><strong>8060</strong></td>
<td><strong>9308.5</strong></td>
</tr>
</tbody>
</table>
STAFF OVERVIEW
The School of Applied Sciences Technology and Education is supported with one FTE of staff assistance (.75 FTE, LaZell Allen; .25 FTE Kaylee Roholt), a Business Officer (1.0 FTE, Lauren Anderson), student advisers (.5 FTE, Taylor Adams; and .5 FTE Kaylee Roholt), and a marketing and recruitment specialist (.5 FTE, Taylor Adams). Although not directly affiliated with ASTE, we work closely with Cameo Ekker, Kerstine Fausett, and Kim Mortensen at USU-Eastern to coordinate programs and faculty. Two Extension programs, Agriculture in the Classroom (AITC) and AgrAbility of Utah, use professional and staff assistance to complete their program goals. The AITC personnel are funded through a foundation and the AgrAbility personnel are grant-funded.

The Flight Operations portion of the Aviation Management – Professional Pilot degree is located at the Logan Airport and works primarily on a cost-recovery basis. Therefore, the Chief Flight Instructor (Aaron Dyches), the Assistant Chief Flight Instructor (Matt Bunnell), a Business Assistant (1.0 FTE, Susan Crosbie) and two Aircraft Maintenance Technicians (1.0 Steve Barton and 1.0 Vacant) have primary responsibilities related to the flight operations. See Figure 4 for a depiction of staff within the ASTE.
Figure 4. Staff within ASTE.
Students

ADMISSION STANDARDS
Students admitted in Good Standing to Utah State University are able to declare any major within the ASTE. USU- Eastern has open-access admission. Additional requirements exist for transfer students. Table 5 documents admission standards based on major and student-type for the Logan campus.

Table 5. Admission standards for undergraduate majors on the Logan campus.

<table>
<thead>
<tr>
<th>School of Applied Sciences, Technology and Education Admission Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAJOR</strong></td>
</tr>
<tr>
<td>Agricultural Communication &amp; Journalism</td>
</tr>
<tr>
<td>Agricultural Education</td>
</tr>
<tr>
<td>Agricultural Machinery Technology (AAS)</td>
</tr>
<tr>
<td>Agricultural Machinery Technology (CERU)</td>
</tr>
<tr>
<td>Agricultural Systems Technology and Education</td>
</tr>
<tr>
<td>Aviation Tech - Maintenance Management</td>
</tr>
<tr>
<td>Aviation Tech - Professional Pilot Fixed Wing</td>
</tr>
<tr>
<td>Aviation Tech - Professional Pilot Rotorcraft</td>
</tr>
<tr>
<td>Family &amp; Consumer Sciences Ed</td>
</tr>
<tr>
<td>General Technology</td>
</tr>
<tr>
<td>Technology and Engineering Education</td>
</tr>
</tbody>
</table>
ENROLLMENT

Enrollment trends for undergraduate programs at Logan show stable, steady growth while the graduate enrollment is stable at around 25 students. We expected undergraduate enrollment rates to decline in the 2013 academic year with the announced change in the missionary age for the LDS church, resulting in many young women leaving programs to serve an LDS mission and many young men delaying their entry into college immediately after graduating from high school. The announcement from the LDS church prompted university recruitment professionals to visit more out-of-state schools and transfer institutions. This increased interest in new sources of prospective undergraduate students allows us to anticipate that future enrollment in the undergraduate programs will remain steady or increase slightly each year. Figures 5-12 show individual enrollment for on-campus undergraduate majors. We anticipate that graduate student enrollment in the Ag Systems Technology and Technology and Engineering Education will remain steady. We expect an increased enrollment of graduate students in the recently established CTE M.Ed. program.

Figure 5. Enrollment trends for Agricultural Communication and Journalism Fall cohorts.

Figure 6. Enrollment trends for Agricultural Education Fall cohorts.
Figure 7. Enrollment trends for Agricultural Machinery Technology Fall cohorts.

Figure 8. Enrollment trends for Agricultural Systems Technology Fall cohorts.

Figure 9. Enrollment trends for Aviation Technology-Maintenance Management Fall cohorts.
Figure 10. Enrollment trends for Aviation Technology-Professional Pilot Fall cohorts.

Figure 11. Enrollment trends for Family & Consumer Sciences Education Fall cohorts.

Figure 12. Enrollment trends for Technology & Engineering Education Fall cohorts.
RECRUITMENT
ASTE hired a public relations and recruitment specialist (.50 FTE) in 2011. Recruitment and public relations efforts for ASTE include: increasing ASTE presence through media relations, meeting with prospective students and parents, developing and distributing publications, managing social media content, developing and maintaining two departmental websites, and arranging and attending recruitment events. Examples of recruitment events include visits and representation at high-school classrooms, in-state and out-of-state FFA state conventions, National FFA events, various career fairs, industry conferences and tradeshows, transfer institutions, and air shows.

GRADUATION AND RETENTION
ASTE first year retention rates and six-year graduation rates from Fall cohorts, Tables 6 and 7, are higher than averages for USU and the College of Agriculture and Applied Sciences. Graduation numbers are listed in Table 8.

Table 6. ASTE first-year retention rates are higher than those for the College of Agriculture and Applied Sciences and USU.

<table>
<thead>
<tr>
<th></th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTE</td>
<td>80%</td>
<td>77.14%</td>
<td>95.65%</td>
<td>74.29%</td>
<td>72.73%</td>
</tr>
<tr>
<td>College of Agriculture &amp; Applied Sciences</td>
<td>84.5%</td>
<td>72.4%</td>
<td>81.7%</td>
<td>77.8%</td>
<td>73.7%</td>
</tr>
<tr>
<td>Utah State University</td>
<td>73.3%</td>
<td>72.8%</td>
<td>73.6%</td>
<td>71.5%</td>
<td>71.6%</td>
</tr>
</tbody>
</table>

Table 7. Six-Year graduation rates are higher for ASTE, with the exception of 2002.

<table>
<thead>
<tr>
<th></th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTE</td>
<td>80%</td>
<td>25%</td>
<td>54.5%</td>
<td>66.7%</td>
<td>69.2%</td>
</tr>
<tr>
<td>College of Agriculture &amp; Applied Sciences</td>
<td>67.8%</td>
<td>56.0%</td>
<td>54.3%</td>
<td>52.6%</td>
<td>57%</td>
</tr>
<tr>
<td>Utah State University</td>
<td>49.5%</td>
<td>54%</td>
<td>52.1%</td>
<td>50.3%</td>
<td></td>
</tr>
</tbody>
</table>
Table 8. Graduation numbers are listed by degree program. The total number of graduates within the ASTE have decreased over time. We expect graduation rates to increase due to the steady increase in enrollment and high retention.

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>2008-2009</th>
<th>2009-2012</th>
<th>2010-2011</th>
<th>2011-2012</th>
<th>2012-2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Communication &amp; Journalism (BS)</td>
<td>4</td>
<td>3</td>
<td>5</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Agricultural Education (BS)</td>
<td>5</td>
<td>20</td>
<td>15</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>Agricultural Machinery Technology (AAS)</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Agricultural Systems Technology (BS)</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Agricultural Systems Technology (MS)</td>
<td>15</td>
<td>16</td>
<td>10</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Aviation Tech-Maintenance Mgt (BS)</td>
<td>8</td>
<td>6</td>
<td>12</td>
<td>13</td>
<td>11</td>
</tr>
<tr>
<td>Aviation Tech-Prof Pilot (BS)</td>
<td>18</td>
<td>11</td>
<td>15</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Family and Consumer Sciences Education (BS)</td>
<td>11</td>
<td>13</td>
<td>22</td>
<td>22</td>
<td>14</td>
</tr>
<tr>
<td>Technology and Engineering Education (BS)</td>
<td>13</td>
<td>4</td>
<td>3</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Technology and Engineering Education (MS)</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>96</td>
<td>91</td>
<td>99</td>
<td>87</td>
<td>80</td>
</tr>
</tbody>
</table>

ACADEMIC ADVISING

The department currently employs two professional academic advisors (.50 FTE each) to work with students in undergraduate programs. The advisors meet with students on a regular basis to provide support and guidance in their academic careers. Table 9 shows the number of recent advising appointments. Students meet with their academic advisor to navigate course registration, establish plans of study, complete university forms, and apply for graduation. Advisors are equipped with a well-rounded working knowledge of the university regulations, policies, and procedures. Advisors in the department are part of the College of Agriculture and Applied Sciences Student Services Center which provides centralized support for students. The services include, but are not limited to, major exploration, career planning, scholarships, student involvement information, and campus resource referrals.
Table 9. The projected amount of students per FTE is 396 for the College of Agriculture and Applied Sciences. The larger number of students in Fall 2013 is accounted for by a new practice of walk-in advising appointments during busy registration times.

<table>
<thead>
<tr>
<th></th>
<th>Kaylee Roholt (.50 FTE)</th>
<th>Taylor Adams (.50 FTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring 2013</td>
<td>246</td>
<td>265</td>
</tr>
<tr>
<td>Fall 2013</td>
<td>251</td>
<td>331</td>
</tr>
<tr>
<td>Total</td>
<td>497</td>
<td>596</td>
</tr>
</tbody>
</table>

STUDENT PLACEMENT DATA
In gathering information for this review, it became apparent that the university is lacking on information about placement and salary for their graduates. The College of Agriculture and Applied Sciences, Career Services, and Alumni Relations all contributed pieces of information to the puzzle. The most useful information, the data in Table 10, is if from the Food and Agricultural Education Information Systems (FAEIS) reports. Salary information was not available.

Table 10. Employment information from FAEIS reports (2010-2012).

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employed</td>
<td>76%</td>
<td>83%</td>
<td>52%</td>
</tr>
<tr>
<td>Seeking Employment</td>
<td>3%</td>
<td>1%</td>
<td>30%</td>
</tr>
<tr>
<td>Not Seeking Employment</td>
<td>12%</td>
<td>3%</td>
<td>17%</td>
</tr>
<tr>
<td>Graduate School</td>
<td>9%</td>
<td>13%</td>
<td>2%</td>
</tr>
<tr>
<td>Number of student responses</td>
<td>33</td>
<td>61</td>
<td>34</td>
</tr>
</tbody>
</table>

ASTE students are quite successful at finding employment if they actively seek it. Alumni of Agricultural Communication and Journalism have been employed as public relations specialist, outreach managers, and advertising coordinators at science and agricultural companies and colleges nationwide (Intermountain Farmers Association, Novozymes, and colleges of agriculture). Agricultural Machinery Technology and Agricultural Systems Technology graduates work as machinery technicians, sales representatives, ranch hands, and farm managers/operators. All three of the education majors (TEE, ASTE and AGED) have a 100% placement rate, with graduates being employed as junior high and high school teachers in school districts across the nation. Agricultural Professional Pilot majors find jobs as flight instructors with flight training centers across the country and are able to apply for employment at regional airlines when they have enough flight hours. Maintenance Management students
work as aircraft maintenance technicians (AMTs) for companies such as Cessna, Erickson Air Crane, and Western Aircraft.

The Office of Analysis, Assessment and Accreditation at USU compiles data from a graduation survey, which all seniors complete as a portion of their graduation process. Figure 13 details the answers from the past three years to the “Future Plans” section of the survey.

<table>
<thead>
<tr>
<th>Future Plans</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. After you graduate from USU, what are your plans for the next year?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employment</td>
<td>63.0%</td>
<td>70.5%</td>
<td>91.3%</td>
</tr>
<tr>
<td>Additional education</td>
<td>29.8%</td>
<td>22.7%</td>
<td>4.3%</td>
</tr>
<tr>
<td>Stay at home with children</td>
<td>3.7%</td>
<td>4.5%</td>
<td>4.3%</td>
</tr>
<tr>
<td>Military Service (new answer as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volunteer service (new answer as of 2009)</td>
<td>3.7%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Are you currently looking for a full-time job? (new question as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>61.5%</td>
<td>56.8%</td>
<td>50.0%</td>
</tr>
<tr>
<td>No</td>
<td>38.5%</td>
<td>43.2%</td>
<td>50.0%</td>
</tr>
<tr>
<td>3. Have you already secured employment after graduation? (new question as of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>83.3%</td>
<td>77.8%</td>
<td>52.9%</td>
</tr>
<tr>
<td>No</td>
<td>16.7%</td>
<td>22.2%</td>
<td>47.1%</td>
</tr>
<tr>
<td>4. Are your employment full or part time? (new question as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>64.3%</td>
<td>47.1%</td>
<td>52.6%</td>
</tr>
<tr>
<td>No</td>
<td>14.3%</td>
<td>17.5%</td>
<td>26.3%</td>
</tr>
<tr>
<td>Somewhat</td>
<td>21.4%</td>
<td>35.3%</td>
<td>21.1%</td>
</tr>
<tr>
<td>5. In which sector will you be working? (new question as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local, State, Federal Government</td>
<td>46.2%</td>
<td>31.3%</td>
<td>56.5%</td>
</tr>
<tr>
<td>Education (public or private)</td>
<td>46.2%</td>
<td>56.3%</td>
<td>21.7%</td>
</tr>
<tr>
<td>Business or Industry</td>
<td>7.7%</td>
<td>6.3%</td>
<td>8.7%</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Is your employment located in Utah? (new question as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>57.1%</td>
<td>70.6%</td>
<td>78.9%</td>
</tr>
<tr>
<td>No</td>
<td>42.9%</td>
<td>29.4%</td>
<td>21.1%</td>
</tr>
<tr>
<td>7. Do you plan to further your education after graduation? (new question as</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>42.9%</td>
<td>64.3%</td>
<td>54.8%</td>
</tr>
<tr>
<td>No</td>
<td>57.1%</td>
<td>35.7%</td>
<td>45.2%</td>
</tr>
<tr>
<td>8. Will you attend school? (new question as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full Time</td>
<td>72.7%</td>
<td>64.3%</td>
<td>33.3%</td>
</tr>
<tr>
<td>Part-time</td>
<td>27.3%</td>
<td>35.7%</td>
<td>66.7%</td>
</tr>
<tr>
<td>9. What degree will you be seeking? (new question as of 2009)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Masters</td>
<td>83.3%</td>
<td>53.3%</td>
<td>92.9%</td>
</tr>
<tr>
<td>Doctoral</td>
<td></td>
<td></td>
<td>3.6%</td>
</tr>
<tr>
<td>Second bachelor</td>
<td>16.7%</td>
<td>26.7%</td>
<td>3.6%</td>
</tr>
<tr>
<td>Other or no degree</td>
<td></td>
<td>20.0%</td>
<td>3.6%</td>
</tr>
</tbody>
</table>

Figure 13. Answers to graduation survey questions for the past three years. Nearly 80% of students who reported already secured employment answered that the employment is related, or is somewhat related, to their degree. Over half of the graduating students in 2011 planned to further they education after graduation.
TRANSFER ENROLLMENT
Currently, transfer students account for nearly 31% of students in ASTE. Students who transfer to USU from another institution are classified into three categories: international, transferring with 24+ credits, and transferring with less than 24 credits. The largest population of current transfers (76 students, 67%) transfer to USU with more than 24 credits (see Figure 14) ASTE has formed relationships with select schools to ensure that students are successful in the transfer process. The relationships include: visits to transfer institutions, advising of prospective transfer students on course selection at institution, and regular correspondence with faculty and staff at transfer institutions. Relationships have been formed with the following schools to encourage an increase in transfer admission: SNOW College, Great Basin College and the Nebraska College of Technical Agriculture. Our recruitment specialist continues to reach out to top feeder institutions for select majors (Agricultural Systems Technology, Family and Consumer Sciences Education, Agricultural Education, and Agricultural Communication and Journalism). Data shows that there are no patterns in the institutions from which students who major in Aviation Technology transfer. The top feeder institutions are listed in Table 11. Figure 15 shows the number of transfer students admitted into the major each Fall.

Figure 14: Currently, 115 transfer students are enrolled in Logan-campus majors within ASTE, accounting for 31% of Logan-campus students. The majority of students transfer to USU with more than 24 credits.
Table 11. Institutions are listed in descending order from most frequent to least frequent in-state and out-of-state transfer institutions.

<table>
<thead>
<tr>
<th>Top In-State Feeder Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snow College</td>
</tr>
<tr>
<td>Weber State University</td>
</tr>
<tr>
<td>Utah Valley University</td>
</tr>
<tr>
<td>Salt Lake Community College</td>
</tr>
<tr>
<td>Southern Utah University</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Top Out-of-State Feeder Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brigham Young University-Idaho</td>
</tr>
<tr>
<td>Idaho State University</td>
</tr>
<tr>
<td>Western Wyoming Community College</td>
</tr>
<tr>
<td>College of Southern Idaho</td>
</tr>
<tr>
<td>University of Nevada-Reno</td>
</tr>
</tbody>
</table>

Figure 15. Transfer students enrolled to ASTE by major in fall cohort.
Program Costs

SUPPORT AND INSTRUCTIONAL COSTS
The School of Applied Sciences, Technology and Education functions with programs administered at the Logan campus, professional career and technical programs at USU-Eastern and a M.Ed. program offered on-line. Table 12 provides a general view of the revenues used within the programs – exclusive of the flight operations which operates on a cost-recovery model. The flight operations located at the Logan airport pose unique fiscal challenges. In FY 2013, the revenue, primarily from flight fees charged to students, was approximately $1.2 million with operating expenses of aircraft fuel, building and land leases/mortgages, aircraft parts, and flight insurance accounting for expenses in excess of approximately $700,000. The salaries, and associated benefit costs, for the personnel located at the airport accounted for nearly $400,000 of expenses. The current balance sheet for the flight operations portion of the department shows assets of approximately $7.7 million with fixed assets in excess of $3 million.

Table 12. Revenues within ASTE programs, excluding Aviation.

<table>
<thead>
<tr>
<th>E&amp;G</th>
<th>Extension</th>
<th>Extension Operating</th>
<th>Exp. Station</th>
<th>Exp. Station Operating</th>
<th>USU-Eastern</th>
<th>USU-Eastern Operating</th>
<th>Contract Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,163,419</td>
<td>$136,003</td>
<td>$18,090</td>
<td>$107,268</td>
<td>$45,076.00</td>
<td>$1,298,238</td>
<td>$669,030</td>
<td>FY13</td>
</tr>
</tbody>
</table>
Program Support

FACILITIES AND EQUIPMENT
The School has a significant footprint required to implement our programs. ASTE dedicated facilities on the Logan campus occupy approximately 125,000 ft² including 36,000 ft² at the airport (Aviation) including four hangars to secure our training fleet of approximately 20 aircraft as well as offices for the full-time personnel and 15-25 flight instructors, 40,000 ft² in the ASTE building (Agricultural Machinery Technology, Agricultural Systems Technology, Agricultural Education, and Agricultural Communication and Journalism), 3920 ft² in the Family Life building (Family and Consumer Sciences Education), 23,300 ft² in the Industrial Science building (Technology and Engineering Education), and 20,000 ft² in the Technology building (Aviation). Most of the space is dedicated to specialized teaching laboratories and activities. Pages 30-34 provide a sample view of the facilities.

PROFESSIONAL DEVELOPMENT
The faculty and staff participate in the professional development activities provided on-campus, including the new faculty teaching academies, the Provost’s Series for Instructional Improvement, the grant-writing institute, etc… The School encourages faculty to use sabbatical leave opportunities and have had two faculty members’ complete sabbatical leaves (Dr.s Spielmaker and Warnick) in the past two years. Core faculty are engaged with professional societies and are active in specific development activities and at times are providing activities for other professionals.
Logan-Cache Airport (36,000 square feet)

The USU flight training facilities include four aircraft hangers and a dispatch office. The aircraft hangers house the flight training fleet, as well as a recent addition of new flight instructor offices. There is also one hanger at the airport that is used for maintenance student training.
Agricultural Systems Technology & Education Building (40,000 Square Feet)

The ASTE building houses departmental administrative offices, faculty offices, classrooms and a large lab space. The lab space is used for the Agricultural Machinery Technology and Agricultural Systems Technology programs for hands-on, lab portions of courses. Additionally, Agriculture in the Classroom is housed in the ASTE building.
Family Life Building (3,920 Square Feet)

The third floor of the Family Life building is home to FCSE faculty and classrooms. It houses an office suite for faculty and content-specific classrooms. Students spend the majority of their undergraduate experience in the textiles lab, and sewing lab spaces. Additionally, they take courses in the first-floor foods lab.
**Industrial Science Building**

The industrial science building houses faculty & staff offices, classrooms, and lab spaces. Students are frequently completing class and projects in the following spaces: wood-based manufacturing lab, metal-based manufacturing lab, project development lab, computer and electronics lab, and the engineering graphics laboratory.
Technology Building (20,000 Square Feet)

The Technology Building houses three classrooms that are approved by the FAA, as well as the lab spaces used by the Maintenance Management program. With specific areas dedicated to airframe, powerplants, and composites, all the lab time required to meet the FAA requirements for the Airframe and Powerplant Licenses takes place here. Additionally, the lab includes a jet-engine test cell.
Appendix A

Faculty members by location including role statement weightings, rank information, and credentials.
<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>Teaching</th>
<th>Research</th>
<th>Extension</th>
<th>Service</th>
<th>Admin</th>
<th>Credentials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeffrey</td>
<td>Baldwin</td>
<td>Sr. Lecturer</td>
<td>95</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>BS, Utah State University</td>
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<td>Dennis</td>
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<td>Rebecca</td>
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## APPENDIX A

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<td>Justin Bergeman</td>
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<td>Linda Davis</td>
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<td>Guy Denton</td>
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<td>Dale Evans</td>
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APPENDIX B

Curriculum Vitae
Jeffrey D. Baldwin  
Utah State University  
(435) 797-8190  
Email: Jeff.Baldwin@usu.edu

EDUCATION

BS, Utah State University, 1985.  
Major: Aeronautics  
Supporting Areas of Emphasis: Engineering, Welding, and Business

PROFESSIONAL POSITIONS

Professional


Captain/Airline Pilot, Western Air Express. (March 2000 - April 2007).

LICENSURES AND CERTIFICATIONS


Airline Transport Pilot, Federal Aviation Administration. (March 1995 - Present).

Airframe and Powerplant Technician, Federal Aviation Administration. (June 1985 - Present).


PROFESSIONAL MEMBERSHIPS

American Society for Non-destructive Testing. (November 2010 - Present).


Aircraft Owners and Pilots Association. (August 1984 - Present).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE
**Utah State University**

AV 1140, Aircraft Components and Principles, 2 courses.
AV 1170, Aircraft Structures, 4 courses.
AV 1240, Aircraft Maintenance, 3 courses.
AV 2170, Aircraft Systems, 3 courses.
AV 2180, Aircraft Hydraulic and Pneumatic Systems, 4 courses.
AV 2190, Aircraft Systems Lab, 3 courses.
AV 2200, Aircraft Hydraulics and Pneumatics Systems Lab, 4 courses.
AV 2420, FAA Regulations, Records, and Certification, 2 courses.
AV 3610, AeroTechnology Design I, 1 course.
AV 3610, 4620, AeroTechnology Design I, 1 course.
AV 4610, AeroTechnology Design II, 2 courses.
AV 4620, AeroTechnology Design III, 1 course.
TEE 4930, Independent Study, 1 course.

**NON-CREDIT INSTRUCTION**

Workshop, 22 participants. (December 2011).

**DIRECTED STUDENT LEARNING**

Advised: Rachael Adams

**RESEARCH & OTHER CREATIVE ACTIVITIES**

**AWARDS AND HONORS**

First Place, Creative Ironwork Designs, Northern Utah Home Builders Association. (September 1997).

**SERVICE**

**General Service**

Professional/Public

Commissioner, Planning and Zoning, Providence City Planning Commission, Providence, Utah, USA

Member, Welding Program at BATC

**Student Organization**

Advisor, Aviation and Aerospace Welding Club, February 2010.

APPENDIX B

Richard R. Beard
Utah State University
(435) 797-0573
Email: Richard.Beard@usu.edu

LICENSURES AND CERTIFICATIONS


ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
ASTE 3040, Agricultural Structures, 1 course.
ASTE 4900, Senior Project Research and Creative Opportunity, 4 courses.

DIRECTED STUDENT LEARNING

Master's Committee Chair, Agricultural Systems Technology & Education. (January 2010 - May 2012).
Advised: Ryan Reigle

Master's Committee Member, "Evaluation of Year Round Production Regimen of Greens and Tomato in a High Tunnel Environment," Plants, Soils, and Climate. (September 2008 - December 2010).
Advised: Britney Hunter

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Other Intellectual Contributions

Multi-Media-Powerpoint (Published)
APPENDIX B

Fact Sheet-Extension (Published)
Beard, R. (2012). Glove Resistance to Pesticides (pp. 2).

Curriculum Materials-Study Guide (Published)

PRESENTATIONS GIVEN


Hatch, R. (Presenter & Author), Pate, M. (Author Only), Miller, B. (Presenter & Author), Beard, R. (Author Only), NACTA Annual Conference, "Precision Agriculture Technology Troubleshooting Curriculum Development: Cooperation and Collaboration with the Agricultural Equipment Industry.," North American Colleges and Teachers of Agriculture, Blacksburg, Virginia. (June 25, 2013 - June 29, 2013).


Beard, R. (Presenter & Author), Two hour training programs, "4-H Shooting Sports," Cache County. (June 18, 2009).


Beard, R. (Presenter & Author), ASABE International Convention, "Preliminary results in the selection and optimization of trailer mounted spray equipment for pesticide applications to small acreage grazing sites," Providence, Rhode Island. (June 29, 2008).

Beard, R. (Presenter & Author), Educational materials selected for inclusion in web-based training program., "Recognition of Licensing Categories for Certified Pesticide Applicators in Utah.," Salt Lake City, UT. (December 1, 2006).


Beard, R. (Presenter & Author), "Safe Operation of Agricultural Equipment for Youth; 14 and 15 Year Old Exemptions for Hazardous Equipment Operation," Kaysville, UT. (February 17, 2006).

Beard, R. (Presenter & Author), Utah Pest Control and Lawn Care Association Annual Convention, "Protecting Pesticide Handlers From Personal Injury," Salt Lake City, UT. (February 10, 2006).


Beard, R. (Presenter & Author), Utah Pest Control and Lawn Care Association Annual Convention, "Protecting Pesticide Handlers from Personal Injury," Sandy, UT. (February 17, 2005).


MEDIA CONTRIBUTIONS

Radio

KSL. (November 2012).

USDA Radio. (November 2012).

CONTRACTS, GRANTS AND SPONSORED RESEARCH

Contract


Grant

Beard, Richard, "Utah Pesticide Safety Education Program," Sponsored by National Association of State Departments of Agriculture Research Foundation, Federal, $10,000.00. (October 1, 2013 - September 30, 2014).

Beard, Richard (Principal), "Teaching Utah Department of Agriculture and Food Recertification Workshops for Commercial, Noncommercial, and Private Pesticide Applicators of Utah," Sponsored by UDAF and EPA, State, $64,800.00. (August 2010 - July 2013).

Beard, Richard (Principal), "Teaching Utah Department of Agriculture and Food Recertification Workshops for Commercial, Noncommercial, and Private Pesticide Applicators of Utah," Sponsored by UDAF and EPA, State, $64,800.00. (August 2010 - July 2013).

Beard, Richard, "External Grant: Development of Web-Based Instructional Modules for Pesticide Safety," Sponsored by Utah Department of Agriculture and Food (UDAF), Division of Plant Industry, $20,000.00. (December 1, 2009 - December 30, 2011).


Beard, Richard, "Revision of the Pesticide Application and Safety Training Study Guides," Sponsored by Utah Department of Agriculture and Food (UDAF), Division of Plant Industry, $11,000.00. (December 1, 2009 - January 31, 2011).


Beard, Richard (Principal), Deer, Howard M. (Co-Principal), Dewey, Steve (Co-Principal), Kopp, Kelly (Supporting), Karren, Jay (Co-Principal), Sagers, Larry A (Co-Principal), "Revision of the pest control study guides 'Structural and Health Related Pest Control' and 'Right of,'" Sponsored by Utah Department of Agriculture and Food, $17,000.00. (December 27, 2003 - December 27, 2004).

RESEARCH IN PROGRESS

"Mobile respirator training program" (On-Going)
   Program to train Utah farm owner/operators on proper respirator selection and fit.

"Safe Pesticide Applications" (Results Obtained)
   My current research is specific to pesticide applications. The main emphasis has involved application equipment, but the majority of recent requests have involves appropriate pesticide formulations for specific pest problems. This need will be addressed when developing new research activities.

EXTENSION

LIST OF COOPERATIVE EXTENSION PROJECTS:

Assistant Department Chair.

Writing and Editing Manual for Pesticide Education. January 2010 - December 2016


Writing and Editing Manual for Pesticide Education. January 2010 - December 2015
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Licensing Private Pesticide Applicators in Utah. January 2010 - December 2010

Licensing Private Pesticide Applicators in Utah. January 2010 - December 2010

Agricultural Safety and Youth Safety. January 1, 2009 - December 31, 2009


AWARDS AND HONORS

E.G. Peterson Extension Award, University. (May 2012).

SERVICE

General Service

Department

Committee Chair, January 2010.
Committee Member, January 2010.
Committee Chair, September 2008.

International Organization

Chairperson, American Society of Agricultural and Biological Engineering, June 2009.
Committee Chair, American Society of Agricultural and Biological Engineers, June 2007.
Chairperson, American Society of Agricultural and Biological Engineering, June 2013.
Committee Member, American Society of Agricultural and Biological Engineering, June 2013.
Committee Member, American Society of Agricultural and Biological Engineering, June 2013.

National Organization

Committee Member, Association of American Pesticide Control Officials, September 2010.
Western Region Representative, American Association of Pesticide Safety Educators, June 2009.
Associate Superintendent, National FFA Agricultural Mechanization Committee, 1977.

Professional/Public
Committee Member, Utah's State Pesticide Advisory Committee, Salt Lake City, Utah, USA

State Committee
Committee Member, Utah State Pesticide Committee (appointed by Governor), September 2008.

Utah State University
Committee Member, USU Safety Committee, Chemical Hygiene, 2007.

CONSULTING

International, National, State, University, College, and ASTE Department. (January 1, 2007 - Present).

AWARDS AND HONORS

Other

Certified Energy Auditor. (December 12, 2010).


Certified Energy Auditor. (December 12, 2009).

Utah Governor’s Blue Ribbon Advisory Council on Climate Change. (December 1, 2009).

Utah Division of Wildlife Resources Volunteer Recognition Award. (September 1, 2008).

Utah Governor’s Blue Ribbon Advisory Council on Climate Change. (December 1, 2007).

Utah Governor’s Blue Ribbon Advisory Council on Climate Change. (December 1, 2007).

VIP Distinguished Service Award. (July 30, 2001).

New Specialist Award. (July 30, 2000).

PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review
Beard, R. (Committee Chair), Feuz, D. (Committee Member), McNeal, L. (Committee Member), Miller, R. L. (Committee Member), Warnick, B. K. (Committee Member), Deer, H. M. (Ombudsperson).

Beard, R. (Committee Member).

Beard, R. (Committee Chair), Kopp, K. (Outside Member), Miller, R. L. (Committee Member), Skogrand, L. M. (Committee Member), Straquadine, G. (Committee Member).
APPENDIX B

Promotion Committee

Beard, F. R. (Committee Chair).

Christopher A. Bracken
Utah State University
(435) 797-3328
Email: chris.bracken@usu.edu

EDUCATION

BS, Utah State University, 2006.
Major: Aviation Technology and Maintenance Management
Supporting Areas of Emphasis: Management

PROFESSIONAL POSITIONS

Professional


LICENSURES AND CERTIFICATIONS

Instrument Ground Instructor, FAA. (August 28, 2012 - Present).
Commercial Pilot, FAA. (May 12, 2009 - Present).
A&P License, FAA. (February 10, 2006 - Present).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
AV 1130, Flight Principles, 2 courses.
AV 1140, Aircraft Components and Principles, 2 courses.
AV 1170, Aircraft Structures, 2 courses.
AV 2420, FAA Regulations, Records, and Certification, 1 course.
AV 2440, Aircraft Electrical Systems Laboratory, 1 course.
AV 2520, Instrument Pilot Ground School, 3 courses.
AV 2620, Commercial Pilot Ground School, 1 course.

SERVICE

General Service

Professional/Public

Cub Scouts, Logan, Utah, USA
Matthew D. Bunnell
Utah State University
(435) 797-7895
Email: matt.bunnell@usu.edu

EDUCATION

M.S., Utah State University, 2010
    Major: Engineering and Technology Education, Utah State University
    Project: FAA/Industry Training Standards (FITS) Curriculum for Flight
            Instructors at Utah State University

B.S., Utah State University, 2007
    Major: Aviation Technology-Professional Pilot
    Minors: Human Resource Management, and French

RATINGS/CERTIFICATES

    Certified Flight Instructor, Federal Aviation Administration
    Commercial Pilot Certificate, Federal Aviation Administration
    Airplane Instrument Rating, Federal Aviation Administration
    Federal Communications Commission Radio Operators Permit

PROFESSIONAL EXPERIENCE:

    Garmin International Olathe, Aviation Technical Writer, 2011-2013
    Utah State University, Ground School Instructor, 2009-2011
    Utah State University, CRJ700 FTD Senior Instructor, 2008-2011
    Utah State University, Flight Instructor/Check Airman, 2007-2011
    SkyWest Airlines, Flight Training Intern, 2007
CONTRIBUTIONS

Developed Cockpit Reference Guide for:
Cessna; NAV III, Caravan, Mustang, M2, and Sovereign,
Hawker Beechcraft: C90A/GT, 200/B200, A36/G36,
Diamond: DA40/F/NG, DA42,
Piper: PA-46,
Tecnam P2006T,
Cirrus SR20/22, Bell 407,
Quest Kodiak,
Learjet 70/75
Licenses and Certifications

Airframe and Powerplant Technician, Federal Aviation Administration. (March 1996 - Present).


Professional Memberships

Aviation Technician Education Council.

Northrop Rice Foundation.

Academic Instruction

Teaching Experience

Utah State University

AV 2100, Aircraft Reciprocating Powerplants and Accessories, 4 courses.
AV 2110, Aircraft Reciprocating Powerplants and Accessories Lab, 4 courses.
AV 2140, Aircraft Turbine Powerplants and Maintenance Operations, 3 courses.
AV 2150, Aircraft Turbine Powerplant Maintenance Operations Lab, 3 courses.
AV 2430, Aircraft Electrical Systems and Components, 3 courses.
AV 2440, Aircraft Electrical Systems Laboratory, 2 courses.
AV 3280, Advanced Aircraft Maintenance, 4 courses.
AV 4200, Composite Manufacturing Processes and Repair, 3 courses.
AV 4250, Internship, 6 courses.
AV 4610, AeroTechnology Design II, 2 courses.

Non-Credit Instruction

Seminar, 12 participants. (January 3, 2012).
AWARDS AND HONORS

ETE Teacher of the year, ETE Dept. (April 2011).

ETE Teacher of the year, ETE Dept. (April 2006).

RESEARCH & OTHER CREATIVE ACTIVITIES

PRESENTATIONS GIVEN

Chesley, R. (Invited Lecture), Maintenance, Repair and Overhaul Symposium, "Training Tomorrow's Technician," Chung Buk Dho Province, South Korea, South Korea. (November 2012).

AWARDS AND HONORS

King Air 300 initial maintenance training, ATEC & Northrop Rice foundation. (July 21, 2011).

SERVICE

General Service

Department

Committee Member, ETE Scholarship Committee, 2005.

Professional/Public

Prepare/Grade Certification Exams, USU FAA 147 pre-qualification exams, Logan, Utah, USA
Provide tours of maintenance labs and airport facilities, Boy Scouts of America, Loga, Utah, USA

Student Organization

Student Org Advisor (Professional Org), SAMP Club Advisor, 1996.

AWARDS AND HONORS

Service, University

ETE Advisor of the year, ETE Dept. (April 2009).

ETE Advisor of the year, ETE Dept. (April 2007).
Aaron Dyches
435-797-1479
Email: a.dyches@aggiemail.usu.edu

EDUCATION

MS Utah State University, 2010
Major: Engineering Technology Education
BS, Utah Valley State College, 2004
Major: Professional Pilot

LICENSURES AND CERTIFICATIONS

Commercial Pilots License, Federal Aviation Administration
Flight Instructor, Multi-engine, Federal Aviation Administration
Flight Instructor, Single engine, Federal Aviation Administration
Flight Instructor, Instrument, Federal Aviation Administration
Advanced Ground Instructor, Advanced, Federal Aviation Administration

TEACHING EXPERIENCE

Utah State University
AV 2330, Private Pilot Ground School
AV 3140, Advanced Simulation
AV 3720, Certified Flight Instructor

PROFESSION EXPERIENCE

Chief Flight instructor, Utah State University, August 2013-Present
Federal Aviation Administration Representative
EDUCATION

MS, Brigham Young University, 1980.
  Major: Business Education
  Supporting Areas of Emphasis: business, accounting, organizational behavior

BA, Brigham Young University, 1978.
  Major: Business Education
  Supporting Areas of Emphasis: Accounting

EDD, Utah State University.
  Major: Information Systems
  Supporting Areas of Emphasis: Web design and databases

PROFESSIONAL POSITIONS

Academic - Post Secondary

  Instructor, Utah State University Management Information Systems Department. (1989 - Present).

PROFESSIONAL MEMBERSHIPS

  Utah Business Education Association. (September 1, 1992 - Present).
  National Business Education. (August 1, 1992 - Present).
  Western Business Education. (August 1, 1992 - Present).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
  BCIS 1300, Website Design, 1 course.
  BCIS 1405, Word Processing, 3 courses.
  BCIS 1411, Spreadsheet II (Excel), 1 course.
  BCIS 2441, Graphics for the Web, 1 course.
APPENDIX B

MIS 1400, MICROCOMP APPL IN BUS, 14 courses.
MIS 1410, ST: WEB/DREAM WEAVER, 3 courses.
MIS 1420, WORD PROCESSING APPL, 1 course.
MIS 1550, BUSINESS CORRESPOND, 3 courses.
MIS 2100, Principles of Management
  Information Systems, 15 courses.
MIS 2450, SPREADSHEETS/DATABASE, 7 courses.
MIS 2520, INTEGRAT OFFICE TECH, 2 courses.
MIS 3100, BUSINESS INFO SYSTEM, 2 courses.
MIS 3300, CLINICAL EXPER I, 1 course.
MIS 3330, DATABASE MANAGEMENT, 1 course.
MIS 3400, METHODS KEYBOARDING, 3 courses.
MIS 3500, PROJ VISUAL BASIC, 3 courses.
MIS 4300, CLINICAL EXPER II, 1 course.
MIS 4400, BUS & MKT ED METHODS, 3 courses.
MIS 5450, E-COMMERCE WEB DESIGN, 6 courses.
MIS 5500, BUS/MKTG TEACH SEM, 5 courses.
MIS 5600, BUS/MKTG STDNT TCHNG, 2 courses.
MIS 5630, BUS/MKTG STDNT TCHNG, 2 courses.
MIS 5700, INTERNET & ECOMMERCE, 2 courses.
MIS 6450, E-COMMERCE WEB DESIGN, 4 courses.
MIS 6720, INSTR/TRNG IN BE/ME, 1 course.
OSS 1060, Introduction to Personal Financial Planning, 4 courses.
OSS 1400, Microcomputer Applications, 21 courses.
OSS 1420, Word Processing Applications, 13 courses.
OSS 2400, Web Design Applications, 5 courses.
OSS 2520, INTEGRAT OFFICE TECH, 6 courses.
PFP 1050, INTRO PERS FIN PLAN, 1 course.
USU 1000, INTRO TO CIL EXAM, 1 course.

AWARDS AND HONORS

Utah Higher-Ed Educator of the Year, Utah Business Education Association. (June 2013).

University Outstanding Business Educator, Western Business Education Association.
  (February 2011).

Outstanding Teacher Award for USU Uintah Basin, USU -- Uintah Basin Campus. (June 2006).

Taggart-Ballard USU Award fo Excellence, Distance Education. (June 2004).

Teacher of the Year award for USU Uintah Basin, USU Uintah Basin Regional Campus. (May 2004).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS
Book Chapters

Book, Chapter in Scholarly Book (Published)

Book, Chapter in Non-Scholarly Book (Published)

Book, Chapter in Non-Scholarly Book (Published)

PRESENTATIONS GIVEN


Garner, D., Western Business Conference, "Microsoft, Skydrive, Google Drive, Dropbox, or iCloud: Which Cloud is the Best?," Western Business Education Association, Ogden, UT. (February 17, 2013 - Present).


Garner, D., WBEA Regional Conference, "Microsoft Skydrive, Google Drive, Dropbox or iCloud: Which Cloud is the Best?," Western Business Education Association, Ogden, UT. (February 16, 2013).


CONTRACTS, GRANTS AND SPONSORED RESEARCH

Other


SERVICE

General Service

Department

Chairperson, Building Business Education 4-year Degree, January 1, 2013.

Professional/Public

Board Member, Uintah Basin Orchestra and Chorus, Vernal, UT, USA
Program Coordinator, National Business Education Association, Different city every year, USA
Committee Member, National Task Force for Technology, Washington, DC, USA
Chairperson, Youth Computer Camp, Roosevelt, UT, USA
Officer, President/Elect/Past, Lions Club

CONSULTING


AWARDS AND HONORS

Other

Taggart-Ballard Award of Excellence, USU Uintah Basin Regional Campus. (May 2004).

Service, University

USU Regional Campuses New Program Award, USU Continuing Education. (March 2008).

PROMOTION AND TENURE COMMITTEES

Promotion Committee

Garner, D. (Committee Member).
Kelsey Hall  
Utah State University  
(435) 797-3289  
Email: kelsey.hall@usu.edu

EDUCATION

EDD, Texas Tech University, 2011.  
Major: Agricultural Education  
Supporting Areas of Emphasis: Agricultural Communication  
Dissertation Title: Marketing Community Supported Agriculture in Texas: A Dual-Method Case Study

MS, The Ohio State University, 2008. 
Major: Agricultural and Extension Education 
Supporting Areas of Emphasis: Agricultural Communication 
Dissertation Title: Ohio Grain Farmers' Perception of Organic Farming: An Application of the Theory of Planned Behavior

BS, The Ohio State University, 2004.  
Major: Agricultural Communications

PROFESSIONAL POSITIONS

Academic - Post Secondary

Graduate Teaching & Research Assistant, Texas Tech University. (August 2008 - August 2011).

Graduate Teaching & Research Assistant, The Ohio State University. (September 2006 - June 2008).

Professional

Managing Editor, BLF Management Ltd. (September 2004 - September 2006).

Communications Intern, Ohio Harness Horseman’s Association. (June 2001 - October 2003).

Editor, Buckeye Bound, a publication of The Lantern at The Ohio State University. (June 2003 - August 2003).


PROFESSIONAL MEMBERSHIPS

American Association for Agricultural Education. (August 2009 - Present).
Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences. (September 2006 - Present).
National Agricultural Communicators of Tomorrow. (September 2000 - Present).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

ASTE, JCOM 3050, Technical and Professional Communication Principles, 1 course.
ASTE 1710, Introduction to Agricultural Communication, 3 courses.
ASTE 3050, Technical and Professional Communication Principles, 4 courses.
JCOM 3320, Strategic Research Methods in Public Relations, 5 courses.

NON-CREDIT INSTRUCTION

Guest Lecture, 11 participants. (April 1, 2013 - Present).
Workshop, 9 participants. (September 21, 2012 - Present).
Workshop, 30 participants. (February 2012 - Present).
Workshop, 20 participants. (February 2012 - Present).
Workshop, 15 participants. (December 2011 - Present).

DIRECTED STUDENT LEARNING

Master's Committee Chair, Agricultural Systems Technology & Education. (June 2013 - Present).
Advised: Taylor Adams

Master's Committee Member, "Critical Thinking in FCS," Agricultural Systems Technology & Education. (November 2011 - Present).
Advised: Teisha Thompson

Internship Advisor, "Internship with Utah Farm Bureau," Agricultural Systems Technology & Education. (June 2012 - December 2012). Advised: Kennedy Speirs


AWARDS AND HONORS

Graduate Student Teaching Award, North American Colleges and Teachers of Agriculture. (June 2010).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

Journal Article, Academic Journal (Published)


Other Intellectual Contributions

Book Review (Published)


PRESENTATIONS GIVEN

Case Studies from Across the US," Association for Environmental Studies and Sciences, Pittsburgh, PA. (June 19, 2013 - Present).


Hall, K. (Presenter & Author), Lawver, B. G. (Author Only), North American Colleges and Teachers of Agriculture Conference, "Developing a New College Name Through Faculty and Stakeholder Input," North American Colleges and Teachers of Agriculture (NACTA), Blacksburg, VA. (June 25, 2013 - June 29, 2013).


Hall, K. (Presenter & Author), Adams, T. (Author Only), North American Colleges and Teachers of Agriculture Conference, "Exploring the Use of a Course Management System for Online Academic Advising," River Falls, WI. (June 2012).

Hall, K. (Presenter & Author), Meyers, C. (Author Only), Doerfert, D. (Author Only), Akers, C. (Author Only), Johnson, P. (Author Only), Western Region of American Association for Agricultural Education Conference, "Factors Influencing Membership in Community


Hall, K. (Presenter & Author), Doerfert, D. (Author Only), Meves, C. (Author Only), Ulmer, J. (Author Only), Wilkinson, J. (Author Only), Southern Association of Agricultural Scientists Agricultural Education Session, "An examination of trust-related behaviors important to agricultural stakeholders," American Association for Agricultural Education, Corpus Christi, Texas. (February 2011).


Hall, K., Meyers, C., North American Colleges and Teachers of Agriculture Conference, "Identifying how educators prefer to learn about technologies for the classroom," North American Colleges and Teachers of Agriculture, State College, PA. (June 2010).


APPENDIX B

Hall, K., Meyers, C., Southern Region Conference of the American Association for Agricultural Education, "Tips from the trenches: Teaching advice for beginning academics," American Association for Agricultural Education, Orlando, FL. (February 2010).

Hall, K., Rhoades, E., Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences Conference, "Influence of subjective norms and communication preferences on grain farmers’ attitudes toward organic and non-organic farming," Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, Des Moines, IA. (June 2009).


Hall, K. (Presenter & Author), Rhoades, E. (Author Only), Agunga, R. (Author Only), Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences Conference, "Student publications’ place in agricultural communication curriculum," Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, Traverse City, MI. (June 2008).

Hall, K. (Presenter & Author), Annual HCRD Graduate Student Research Conference, "The development of the AgriNaturalist: An historical case study of how using experiential learning enhanced one agricultural communication program," HCRD, The Ohio State University, Columbus, OH. (April 2008).


Hall, K. (Presenter & Author), Rhoades, E. (Presenter & Author), Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences Conference, "New agricultural communicators: A content analysis of the current state of agriculture blogging," Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, Alburquerque, NM. (June 2007).

Hall, K., Annual HCRD Graduate Student Research Conference, "Newspaper coverage of large-scale livestock production: A content analysis of The Columbus Dispatch, 1992-2002," HCRD, The Ohio State University, Columbus, OH. (April 2007).
CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant

Brain, Roslynn (Principal), Hall, Kelsey (Co-Principal), Curtis, Kynda (Co-Principal), "Farm-Chef-Fork: Establishing enhanced farm to restaurant communication and sourcing across Utah," Sponsored by USDA-Specialty Crops Program through Utah Department of Agriculture and Food, Federal, $29,096.00. (October 2012 - January 2015).


AWARDS AND HONORS

1st Place Research Poster, Western Region of the American Association for Agricultural Education. (April 2012).


2nd Place Research Poster, Southern Region Conference of the American Association for Agricultural Education. (February 2010).

Top Research Paper Award, Association for Communication Excellence. (June 2009).

Top Thesis Award, Association for Communication Excellence. (June 2009).

Outstanding Research Proposal, Association for Communication Excellence. (June 2008).

Research Article of the Year, Association for Communication Excellence. (June 2008).

1st Place Outstanding Faculty Research Paper, Association for Communication Excellence. (June 2007).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Refereed Journal Articles

Hall, K. Conducting usability testing to improve an agricultural database website. *Journal of Applied Communications*.

Hall, K., Rhoades, E. Ohio grain farmers’ attitudes toward organic and non-organic farming methods. *Journal of Applied Communications*.

RESEARCH IN PROGRESS

"Mobile respirator training program" (On-Going)

Program to train Utah farm owner/operators on proper respirator selection and fit.
"Exploring Motivators and Barriers For Using an Online Learning Management System for Advising" (Planning)
The purpose of this qualitative study is to explore academic advisors’ perceptions, motivations and barriers for advising undergraduates enrolled in a College of Agriculture using an online learning management system.

"Describing Characteristics of Beef Consumers" (Writing Publication)
The purpose of this study was to determine the Lubbock area beef consumers’ perceptions, knowledge, and awareness of different brands to aid in determining their purchasing habits. If the beef industry becomes better educated about who their consumer is and the importance of consumer perceptions, knowledge, and awareness, not only could the beef industry benefit, but the consumer as well.

"Predicting Consumers’ Purchasing Behavior of Branded Beef" (Writing Publication)
This study sought to predict the purchasing habits of [city] area beef consumers in order to create a model which aids in understanding consumers’ eating behaviors and their perceptions of quality grades and how this affects their purchasing habits of branded beef.

"Using Peer Review Experiences to Improve Critical Thinking in Writing" (Writing Publication)
This exploratory descriptive study used a one group pretest-posttest design to determine whether students majoring in an agricultural discipline improved their critical thinking through lecture about critical thinking strategies and two peer review experiences. Researchers employed the UF/CTS as the pretest and posttest questionnaire.

EXTENSION

LIST OF COOPERATIVE EXTENSION PROJECTS:

USU Extension Sustainability. November 1, 2011 - Present

SERVICE

General Service

Department

Advisor, Mountain West Communications Conference Committee, September 2012.
Committee Member, JCOM PR Search Committee, February 2013.
Committee Member, JCOM Generalist Candidate Search Committee, January 2013.
Committee Member, JCOM PR Search Committee, September 2012.
Committee Member, JCOM Broadcast Search Committee, February 9, 2012.
Committee Member, JCOM PR Search Committee, February 9, 2012.

Professional/Public
Reviewer, Journal Article, Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences

Editorial Review Board Member, Journal of Mass Communication and Journalism, Los Angeles, CA, USA

Committee Member, Utah FFA Ag Comm CDE Contest, Logan, Utah

Reviewer, Conference Paper, American Association for Agricultural Education

Reviewer, Conference Paper, Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences

Grant Proposal Reviewer, External, Western Sustainable Agriculture Research and Education, Salt Lake City, UT, USA

Reviewer, Conference Paper, Southern Association of Agricultural Scientists Ag Communications

Reviewer, Conference Paper, American Association for Agricultural Education

Conference-Related, American Association for Agricultural Education, Omaha, NE, USA

Student Organization

Advisor, Ag Comm Club, August 2011.

Student Org Advisor (Professional Org), True Blue Communications, August 2011.

PROMOTION AND TENURE COMMITTEES

Tenure Review

Warnick, B. (Committee Chair), Beard, R. (Committee Member), Miller, R. (Committee Member), Spielmaker, D. (Committee Member), Bullock, C. (Outside Member).
EDUCATION

MBA, University of Phoenix, 1999.  
Major: Business

BS, Utah State University, 1990.

LICENSURES AND CERTIFICATIONS


PROFESSIONAL MEMBERSHIPS

North American Colleges and Teachers of Ag. (January 2011 - Present).


AWARDS AND HONORS

Unit Leader Award of Merit, Boy Scouts of America, Trapper Trail Council. (August 31, 2010).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

ASTE 1120, Forage and Harvest Equipment, 4 courses.
ASTE 1130, Planting and Tillage Equipment, 3 courses.
ASTE 1610, Agricultural Machinery Engines, 4 courses.
ASTE 1615, Agricultural Machinery Engine Laboratory, 4 courses.
ASTE 1620, Agricultural Machinery Power Trains, 3 courses.
ASTE 1625, Agricultural Machinery Power Trains Laboratory, 3 courses.
ASTE 2250, Occupational Experience in Agriculture, 2 courses.
ASTE 2830, Agribusiness Sales and Marketing, 4 courses.
ASTE 2930, Individualized Projects in Agriculture Mechanics, 7 courses.
ASTE 3600, Management of Agriculture Machinery Systems, 3 courses.
ASTE 3710, Agricultural Machinery Hydraulic Systems and Diagnosis, 3 courses.
ASTE 3720, Agricultural DC Electrical Systems and Diagnosis, 1 course.
ASTE 3900, Special Problems in Agricultural Systems Technology and Education, 3 courses.
USU 1010, University Connections, 4 courses.

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Conference Proceedings

Conference Proceeding (Published)

PRESENTATIONS GIVEN


Hatch, R. (Presenter & Author), Pate, M. (Author Only), Miller, B. (Presenter & Author), Beard, R. (Author Only), NACTA Annual Conference, "Precision Agriculture Technology Troubleshooting Curriculum Development: Cooperation and Collaboration with the Agricultural Equipment Industry.," North American Colleges and Teachers of Agriculture, Blacksburg, Virgina. (June 25, 2013 - June 29, 2013).

CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant


Hatch, Royce, "MF 1085 Tractor, Used," Sponsored by Doug Walker, $1,200.00. (September 17, 2009).

Hatch, Royce, "Perkins IV Funds," Sponsored by Perkins IV Funds, $29,530.00. (July 1, 2009 - June 1, 2009).


Hatch, Royce, "AS 400 Computer with Keystone Business System," Sponsored by DIS Corporation, $75,000.00. (June 20, 2008 - October 14, 2008).


Hatch, Royce, "MXU 125 Tractor," Sponsored by CNH, $28,000.00. (November 9, 2007 - December 5, 2007).


SERVICE

General Service

Department

ASTE Dealer Advisory Committee, 2006.
Committee Member, ASTE Ag Education Search Committee, 2009.
Committee Member, ASTE Ag System Search Committee, 2008.

Professional/Public

Committee Chair, Boy Scouts of America, District Program Chairman, Logan, Utah
Chairperson, BSA Trapper Trails Council, Ogden, Utah
Committee Member, BSA, Trapper Trails Council, Ogden, Utah
Committee Chair, Boy Scouts of America, District Training Chairman, Logan, Utah

Student Organization

Prepare/Grade Certification Exams, Utah FFA Association Ag Sales Career Event, April 25, 2012.
Prepare/Grade Certification Exams, Utah State FFA Mechanics Career Event, April 24, 2012.
Prepare/Grade Certification Exams, Utah State Ag Mechanics Career Event, 2010.

Utah Department of Ag and Food

Committee Member, Committee for Clean Diesel for Utah, 2009.

Utah State University

University Senate Service, USU Senate, July 2012.
CONSULTING

Ag Tech Club. (August 27, 2007 - Present).


USU ASTE. (September 11, 2009 - December 10, 2009).

College of Agricultural. (September 26, 2009 - October 2, 2009).

USU ASTE. (December 12, 2008 - September 1, 2009).

(December 4, 2008).

Utah Department of Agriculture and Food. (March 11, 2009 - April 8, 2009).

ASTE Ag. Machinery Technology. (December 4, 2008).

College of Agriculture. (September 20, 2008 - September 27, 2008).

FFA Association. (March 19, 2008).

FFA Association. (March 19, 2008).

Kubota Manufacturer. (December 3, 2007 - December 14, 2007).

ASTE. (November 14, 2007).

College of Agriculture. (September 22, 2007).


AWARDS AND HONORS

Service, University

Boy Scout of America, Silver Beaver, Trapper Tails Council. (February 12, 2008).

BSA, District Award of Merit, Old Ephraim, Trapper Tails Council. (February 1, 2008).

BSA, Scout Master Award of Merit, Old Ephraim District, Trapper Trails. (February 1, 2008).

EDUCATION

MBA, Embry Riddle Aeronautical University, 1982.
Major: Aviation

MS, Embry Riddle Aeronautical University, 1979.
Major: Aeronautical Science

BA, University of Utah, 1970.
Major: Physical Education

LICENSURES AND CERTIFICATIONS

Ground Instructor, Federal Aviation Administration. (October 30, 1990 - Present).

Ground Instructor, Advanced, Federal Aviation Administration. (October 30, 1990 - Present).

Ground Instructor, Instrument, Federal Aviation Administration. (October 30, 1990 - Present).

Airline Transport Pilot, Federal Aviation Administration. (July 31, 1989 - Present).

Airplane Instrument Rating, Federal Aviation Administration. (April 12, 1972 - Present).

Commercial Pilot Certificate, Federal Aviation Administration. (April 12, 1972 - Present).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
1 course.
AV 1100, The Aviation Profession, 6 courses.
AV 1130, Flight Principles, 2 courses.
AV 2330, Private Pilot Ground School, 3 courses.
AV 2620, Commercial Pilot Ground School, 3 courses.
AV 3120, Aviation Law, 4 courses.
AV 4280, Airline Management, 2 courses.
AV 4300, AIRLINE MARKETING, 1 course.
AV 4490, Human Factors in Aviation Safety, 3 courses.
AV 4660, Flight Senior Project, 6 courses.
TEE 5910, Special Problems in Engineering and Technology Education, 1 course.

AWARDS AND HONORS

Teacher of the Year, Engineering Technology Educaution. (March 1, 2012).
NISOD Excellence in Teaching Award, University of Texas, Austin. (April 1994)

MEDIA CONTRIBUTIONS

Newspaper

The Statesman. (January 2012).

SERVICE

General Service

Department
Chairperson, Curriculum Committee, January 2013.
Advisor, National Intercollegiate Flight Association, August 2012.
Committee Chair, Advisory Committee, April 2012.
Committee Member, Advisory Committee, September 2008.
Advisor, Aviation Pilot Club, August 2008.
Committee Member, Aviation Award Committee, January 2007.
Chairperson, Flight Simulator Selection and Acquisition Committee, July 2012.
Committee Member, Accreditation Committee, August 2010.
Committee Member, Awards Committee, 2010.
Committee Member, Curriculum Committee, 2010.

Professional/Public
Presenter, Utah State Historical Society
Becki G. Lawver
Utah State University
(435) 797-1254
Email: rebecca.lawver@usu.edu

EDUCATION

PhD, University of Missouri, 2009.
Major: Agricultural Education
Supporting Areas of Emphasis: Teacher Education and Leadership
Dissertation Title: Factors influencing agricultural education students' choice to teach
Dissertation Advisor: Dr. Robert M. Torres

MS, University of Nebraska, 2007.
Major: Master of Science in Leadership Education
Dissertation Title: Work and family life balance among secondary agricultural education instructors Thesis Advisor: Dr. Dann Husmann

BS, University of Nebraska, 1996.
Major: Agricultural Leadership, Education and Communication

PROFESSIONAL POSITIONS

Academic - P-12

Agricultural Education Instructor, North Bend Central Public Schools, Nebraska. (August 2000 - June 2006).

Agricultural Education Instructor, Blair Community Schools, Nebraska. (August 1998 - June 2000).

Agricultural Education Instructor, Rock County High School, Nebraska. (August 1997 - June 1998).

Academic - Post Secondary


Graduate Teaching Assistant, University of Missouri. (August 12, 2006 - May 20, 2009).

LICENSURES AND CERTIFICATIONS

PROFESSIONAL MEMBERSHIPS

Association for Career and Technical Education Research. (August 1, 2011 - Present).
Utah Association of Agricultural Educators. (June 2010 - Present).
Utha Association for Career and Technical Education. (June 2010 - Present).
American Association for Agricultural Education. (August 2006 - Present).
Association for Career and Technical Education. (August 1997 - Present).
National Association of Agricultural Educators. (August 1997 - Present).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
ASTE 2710, Orientation to Agriculture Education, 4 courses.
ASTE 3100, Personal Leadership in Agriculture, 3 courses.
ASTE 3620, Managing the FFA and SAE Programs, 4 courses.
ASTE 4150, Methods of Teaching Agriculture, 1 course.
ASTE 4300, Clinical Experience II in Agricultural Education, 4 courses.
ASTE 5500, Agricultural Education Secondary Curriculum Seminar, 3 courses.
ASTE 5630, AGED STUDENT TEACH, 1 course.
ASTE 6160, Foundations of Adult Education and Program Evaluation, 2 courses.
ASTE 6450, Graduate Topics in Agricultural Education, 1 course.
FCSE 6220, Volunteer Programs and Partnerships, 1 course.
FCSE 6320, Classroom Management, Student Motivation, and Guidance, 10 courses.
FCSE 6380, Supervision and Mentoring, 2 courses.
TEE 4400, Methods of Teaching Engineering and Technology Education II, 1 course.

DIRECTED STUDENT LEARNING

Master's Committee Member, Agricultural Systems Technology & Education. (August 2011 - Present).
Advised: Kathleen Fortune

Master's Committee Member, Agricultural Systems Technology & Education. (August 2011 - Present).
Advised: Teisha Thompson

Master's Committee Member, Agricultural Systems Technology & Education. (August 2011 - Present).
Advised: Vikki Masters
APPENDIX B

Master's Committee Member, Agricultural Systems Technology & Education. (June 2011 - Present).
Advised: David Schaffer

Master's Committee Member, Agricultural Systems Technology & Education. (June 2011 - Present).
Advised: Joshua Dallin

Master's Committee Member, Agricultural Systems Technology & Education. (June 2011 - Present).
Advised: Melisa Griffith

Master's Committee Member, Agricultural Systems Technology & Education. (September 29, 2010 - Present).
Advised: Amy Pugsley

Master's Committee Member, Agricultural Systems Technology & Education. (April 15, 2010 - Present).
Advised: Jennifer Jenkins

Master's Committee Chair, "EFFECTS OF ANIMAL SCIENCE AGRICULTURAL EDUCATION COURSE COMPLETION ON URBAN HIGH SCHOOL STUDENTS' CAREER CHOICE," Agricultural Systems Technology & Education. (July 23, 2012 - December 31, 2013).
Advised: Kristina Gowans

Master's Committee Member, Agricultural Systems Technology & Education. (August 2012 - August 2013).
Advised: Kathleen Nuttall

Master's Committee Member, "NEEDS ASSESSMENT FOR PROMOTING LIVESTOCK AND EQUINE SAFETY FOR DINÉ YOUTH," Agricultural Systems Technology & Education. (June 2011 - August 2013).
Advised: Karah Shumway

Master's Committee Member, "FOOD ENVIRONMENTS: WHAT ROLE DO DEMOGRAPHICS PLAY IN FIJIAN’S DECISION MAKING RELATED TO FOOD CHOICE AND OVERALL NUTRITION BEHAVIOR?," Agricultural Systems Technology & Education. (June 2011 - August 2013).
Advised: Sandra Bradshaw

Master's Committee Member, Agricultural Systems Technology & Education. (January 2011 - August 2013).
Advised: Andrea Clark

Master's Committee Member, Agricultural Systems Technology & Education. (August 2011 - May 2013).
Advised: Trace Hansen

Master's Committee Chair, "Coping Strategies of Agriculture Teachers," Agricultural Systems Technology & Education. (June 2011 - December 2012).
Advised: Kasee Smith
Master's Committee Member, Agricultural Systems Technology & Education. (June 30, 2010 - December 2012).
Advised: Jessica Crozier

Master's Committee Chair, Agricultural Systems Technology & Education. (August 4, 2010 - August 2012).
Advised: Sara Vandenbos

Master's Committee Member, Agricultural Systems Technology & Education. (June 2010 - August 2012).
Advised: Cash Williams

Master's Committee Chair, Agricultural Systems Technology & Education. (June 2010 - May 2012).
Advised: Megan Haslam

Master's Committee Member, Agricultural Systems Technology & Education. (June 2010 - May 2012).
Advised: Stacy Abbott

Advised: Karl Stephens

Master's Committee Member, Agricultural Systems Technology & Education. (July 22, 2010 - December 2011).
Advised: Laurel Selman

Master's Committee Member, Agricultural Systems Technology & Education. (July 20, 2010 - December 2011).
Advised: Vay Jensen III

Master's Committee Member, Agricultural Systems Technology & Education. (January 2010 - August 2011).
Advised: Dusty Ercenbrack

Master's Committee Member, Agricultural Systems Technology & Education. (January 2010 - April 2010).
Advised: Paul Gardner

AWARDS AND HONORS

Undergraduate Faculty Advisor of the Year for the College of Agriculture and Applied Sciences, College of Agriculture and Applied Sciences. (August 2013).

RESEARCH & OTHER CREATIVE ACTIVITIES
PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Professional Journal (Published)


Journal Article, Professional Journal (Published)


Journal Article, Professional Journal (Published)


PRESENTATIONS GIVEN

Lawver, B. G. (Author Only), Smith, K. L. (Presenter & Author), Western Region AAAE, "Comparison of Agriculture teachers and other teaching populations stress coping strategies," AAAE, Lubbock, TX. (September 2013 - Present).

Lawver, B. G., Pate, M., Western Region AAAE Conference 2013, "Supervised agricultural experience (SAE) students safety planning a professional development for Western agricultural education teachers.," AAAE, Lubbock, TX. (September 2013).

Pate, M., Lawver, B. G., Western Region AAAE Conference 2013, "Supervised agricultural experience (SAE) supervision and planning for student safety," AAAE, Lubbock, TX. (September 2013).

Lawver, B. G. (Author Only), Smith, K. L. (Presenter & Author), National American Association for Agricultural Education Conference, "Launching agricultural education programs for at-risk students," AAAE, Columbus, OH. (September 26, 2013).


Hall, K. (Presenter & Author), Lawver, B. G. (Author Only), North American Colleges and Teachers of Agriculture Conference, "Developing a New College Name Through Faculty and Stakeholder Input," North American Colleges and Teachers of Agriculture (NACTA), Blacksburg, VA. (June 25, 2013 - June 29, 2013).


Pate, M., Lawver, B. G., Warnick, B. K., Proceedings of the Western Region American Association for Agricultural Education Conference, "Using YouTube® as a Medium for Teaching Self-Reflection," Great Falls, MT. (April 30, 2010).

Lawver, B. G. (Presenter & Author), Robert, T. M. (Author Only), Western Region Conference of the American Association for Agricultural Education Conference, "Becoming Teachers: Beliefs, Attitudes, and Intent to Teach Secondary Agricultural Education," American Association for Agricultural Education Conference, Great Falls, MT. (April 30, 2010).
MEDIA CONTRIBUTIONS

Internet

National FFA Organization. (December 2012).

Time Management Strategies and Resources for Ag Teachers. (November 2011).

Radio


TV

This Week in Agribusiness. (August 26, 2011).

CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant


Pate, Michael (Co-Principal), Lawver, Becki G (Principal), "Policies and Procedures that Protect Hired Youth Agriculture Workers: Examining High School Supervised Agricultural Experiences Programs," Sponsored by Marshfield Clinic Research Foundation, Federal, $19,999.00. (September 2012 - September 2013).


Lawver, Becki G (Principal), Warnick, Brian K. (Co-Principal), "Living 2 Serve Grant III," Sponsored by Utah FFA Association - National FFA and USDA, State, $3,000.00. (December 7, 2011 - August 31, 2012).

Lawver, Becki G (Principal), Warnick, Brian K. (Co-Principal), "Living 2 Serve Grant," Sponsored by Utah FFA Association - National FFA and USDA, State, $3,300.00. (May 1, 2011 - July 31, 2011).


Lawver, Becki G (Principal), Warnick, Brian K. (Co-Principal), "Living 2 Serve Grant," Sponsored by Utah FFA Association - National FFA and USDA, State, $7,000.00. (May 1, 2010 - July 31, 2010).

AWARDS AND HONORS

1st Place Research Poster Presentation, Faculty Division, American Association for Agricultural Education. (September 2013).

3rd Place Research Poster Presentation, Faculty Division, American Association for Agricultural Education. (September 2013).


2012 Distinguished Manuscript Award, American Association for Agricultural Education National Research Conference. (May 2012).

3rd Place Innovative Idea Poster Presentation, Faculty Division, American Association for Agricultural Education National Research Conference. (May 2012).

1st Place Outstanding Research Poster Presentation, Faculty Division, American Association for Agricultural Education National Research Conference. (May 2010).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Refereed Journal Articles

Lawver, B. G., Ulmer, J. D. First-year teachers and their mentors: Do their priorities align. *Journal of Agricultural Education*.

Journal Articles


RESEARCH IN PROGRESS

"ASTE Alumni" (Results Obtained)

"Service-Learning Impacts in Leadership Development" (Planning)
The purpose of this study was to determine the impact of a service-learning component in a leadership education course.

"Policies and Procedures that Protect Hired Youth Agriculture Workers: Examining High School Supervised Agricultural Experiences Programs" (On-Going)
The proposed project will gather evidence regarding the utilization of supervised agricultural experience (SAE) programs around the United States.

"Appreciative Advising - Student Retention Study" (Writing Publication)
The purpose of this study was to determine the impact of the Appreciative Advising Method of advising on undergraduate student satisfaction and retention at Utah State University.

"EFFECTS OF AGRICULTURAL EDUCATION COURSE COMPLETION ON URBAN HIGH SCHOOL STUDENTS’ CAREER CHOICE." (Planning)
This study will seek to determine the effects of completion of an animal-based agricultural education course on urban high school students’ decision to choose an agriculturally related career. It will also seek to determine the extent or magnitude of the influence on their career choice.

"ACTORS THAT INFLUENCE POST HIGH SCHOOL FFA MEMBERS TO JOIN THE COLLEGIATE FFA" (Writing Publication)
The goal of this research topic is to examine the factors that influence post high school FFA members decision to join the Collegiate FFA.

"COPING MECHANISMS AND LEVEL OF OCCUPATIONAL STRESS AMONG AGRICULTURE TEACHERS AND OTHER TEACHING POPULATIONS" (Writing Publication)
The purpose of this study was to determine the coping mechanisms utilized to manage occupational stress by agricultural and non-agricultural educators in Utah.
The purpose of this study is to determine the characteristics of effective teaching in formal and non-formal settings.

"Teacher Self-Efficacy in Agricultural Mechanics" (Planning)

"Social Comparison" (Writing Publication)
One important research and professional development imperative in agricultural education has been the retention and development of school-based agricultural educators who are committed to and adept in managing a unique compilation of work-place demands (Mundt and Connors, 1999; Myers, Dyer and Washburn, 2005). Thus, understanding the psychology around job satisfaction, stress, and burnout, as they are situated within the agricultural education culture, brings ultimate bearing on the future of the profession. In tying together the concepts of satisfaction and burnout with the unique culture that is agricultural education, the theory of Social Comparison provides explanation to certain emotional outcomes that may bring about either positive satisfaction or negative satisfaction and stress that could lead to burnout. In his theory of Social Comparison, Festinger (1954) hypothesized that people have the desire to evaluate their own opinions and abilities in relation to the opinions and abilities of others. The basis for studying social comparison in agricultural education programs is the model that embodies three intra-curricular components that are equally important: FFA, SAE and class/laboratory (National FFA Organization, 2003). In particular, there are multiple avenues in which agriculture teachers can interact, and thereby compare themselves to other teachers.

Purpose

The purpose of this study was to determine if relationships existed between social comparison and job satisfaction and between social comparison and teacher burnout.

SERVICE

General Service

Professional/Public
Facilitator, Pre-Service Teachers Communities of Practice online Web Discussion Blog
Committee Member, Professional Development Standing Committee American Association for Agricultural Education
Member, Teacher Education Special Interest Group, American Association for Agricultural Education
Officer, Secretary, Professional Development Standing Committee American Association for Agricultural Education
Board Member, Journal of Agricultural Education
Reviewer, Journal Article, SAGE Open
Editor, Conference Proceedings, Co-Chair, American Association for Agricultural Education Research Conference, Asheville, NC

Committee Chair, Teacher Education Special Interest Group, American Association for Agricultural Education

Reviewer, Grant Proposal, USDA Agriculture in the Classroom Excellence (ACE) Grants

Editor, Conference Proceedings, Co-Chair, American Association for Agricultural Education Research Conference, Coeur d’Alene, ID

Officer, Secretary, Teacher Education Special Interest Group, American Association for Agricultural Education

Student Organization

Advisor, Collegiate FFA, January 12, 2010.

Utah State University

Committee Member, Student Services Focus Group - Social Web Technologies to Enhance Student Engagement, November 2011.

AWARDS AND HONORS

Service, Professional

30 Minute Club Award, Utah Association of Agricultural Educators. (June 2010).


PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Kopp, K. (Committee Member).
Beard, R. (Committee Member).
Carpenter, C. E. (Ombudsperson).
Carpenter, C. E. (Ombudsperson).
Drost, D. T. (Ombudsperson).
Carpenter, C. E. (Ombudsperson).
Call, C. (Committee Member).
Miller, R. L. (Committee Member).
Warnick, B. K. (Committee Chair).
EDUCATION

PhD, Iowa State University, 1991.
   Major: Agricultural and Extension Education

MS, University of Nebraska, 1986.
   Major: Mechanized Agriculture
   Supporting Areas of Emphasis: Agricultural Education

BS, University of Nebraska, 1984.
   Major: Mechanized Agriculture

PROFESSIONAL MEMBERSHIPS


American Association for Agricultural Education. (January 2011 - December 2011).

American Society of Agricultural and Biological Engineers. (May 1991 - December 2011).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
   ASTE 4100, Agricultural Structures and Environment, 1 course.
   ASTE 4250, Occupational Experience, 2 courses.
   ASTE 6260, Environmental Impacts of Agricultural Systems, 1 course.
   ASTE 2200, Electricity in Agricultural Systems, 6 courses.
   ASTE 2250, Occupational Experience in Agriculture, 3 courses.
   ASTE 3900, Special Problems in Agricultural Systems Technology and Education, 10 courses.
   ASTE 4250, Occupational Experiences in Agriculture, 7 courses.
   ASTE 5260, Environmental Impacts of Agricultural Systems, 2 courses.
   ASTE 5260,6260, Environmental Impacts of Agricultural Systems, 2 courses.
   ASTE 6260, Environmental Impacts of Agricultural Systems, 1 course.
   ASTE 6970, Research and Thesis, 3 courses.
ETE 4930, Independent Study, 1 course.
ETE 6900, Readings and Conference, 1 course.
ITDS 4900, SR THESIS/PROJECT, 1 course.

DIRECTED STUDENT LEARNING

Advised: Crista Sorenson

Dissertation Committee Member, "Backpack Herbicide Treatment Cost...," Plants, Soils, and Climate. (May 2011 - May 2014).
Advised: Bryan Dayton

Master's Committee Member, "International Cropping Systems," Plants, Soils, and Climate. (May 2011 - May 2014).
Advised: Anthony Richards

Dissertation Committee Member, Plants, Soils, and Climate. (August 2010 - May 2012).
Advised: Dallas Hanks

Advised: Subash Shrestha

Master's Committee Member, Agricultural Systems Technology & Education. (January 2009 - August 2011).
Advised: Dusty Morgan

Advised: Trevor Robinson

Master's Committee Chair, Agricultural Systems Technology & Education. (May 2010).
Advised: Blair Miller

AWARDS AND HONORS

Teacher Fellow, NACTA. (July 30, 1998).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles
Journal Article, Academic Journal (Published)


PRESENTATIONS GIVEN


Hatch, R. (Presenter & Author), Pate, M. (Author Only), Miller, B. (Presenter & Author), Beard, R. (Author Only), NACTA Annual Conference, "Precision Agriculture Technology Troubleshooting Curriculum Development: Cooperation and Collaboration with the Agricultural Equipment Industry.," North American Colleges and Teachers of Agriculture, Blacksburg, Virginia. (June 25, 2013 - June 29, 2013).


Miller, B. (Presenter & Author), College = What?, "One, two, four or more at Utah State University," Utah System of Higher Education, Thanksgiving Point (Lehi), UT. (September 21, 2012).


Miller, B. (Presenter & Author), ASA-CSSA-SSSA Annual Meeting, "Use of real-time and conventional PCR to quantify and profile ammonia-oxidizing bacteria in dairy waste treated agricultural soil.,” Salt Lake City, UT. November. (November 30, 2005).


Miller, B. (Presenter & Author), American Association for the Advancement of Science - Pacific Division, "Changes in soil N transformations after repeated applications of dairy waste," Medford, OR. (June 30, 2004).


Miller, B. (Presenter & Author), North American Association of Colleges and Teachers of Agriculture annual meeting, "Using Field Experiences to Enhance Student Learning.,” Gainesville, FL. June. (June 30, 2004).

Miller, B. (Presenter & Author), RFD-TV, "Teleconference on Composting Methods," Nashville, TN. February 16. (February 16, 2004).


Miller, B. (Presenter & Author), American Society of Agr. Engineers, "PUSH-or-PULL: Should the primary driving force of agricultural technology curricula be research advances of employers needs," St. Joseph, MI. (June 30, 2001).


**CONTRACTS, GRANTS AND SPONSORED RESEARCH**

**Grant**

Miller, Bruce (Principal), "USU Perkins," Sponsored by Utah State Office of Education, State, $88,199.00. (July 1, 2013 - June 30, 2014).


Miller, Bruce, "Utah FFA Executive Secretary," Sponsored by USOE, State, $76,208.00. (July 1, 2012 - June 30, 2013).

Miller, Bruce, "Utah FFA Executive Secretary," Sponsored by USOE, State, $81,207.00. (July 1, 2012 - June 30, 2013).

Miller, Bruce, "Utah FFA Executive Secretary," Sponsored by USOE, State, $75,407.00. (July 1, 2011 - June 2012).

Miller, Bruce, "USU Perkins Grant," Sponsored by USOE-Perkins funds, $140,770.00. (July 1, 2010 - June 30, 2011).

Miller, Bruce, "Utah FFA Executive Secretary," Sponsored by UDAF & Utah State Office of Education, $72,784.00. (July 1, 2010 - June 30, 2011).

Miller, Bruce, "USU Perkins Grant," Sponsored by USOE-Perkins funds, $93,236.00. (July 1, 2009 - June 30, 2010).

Miller, Bruce, "Utah FFA Executive Secretary," Sponsored by UDAF & Utah State Office of Education, $72,784.00. (July 1, 2009 - June 30, 2010).

Miller, Bruce, "Utah FFA Executive Secretary," Sponsored by Utah State Office of Education, $72,784.00. (July 1, 2008 - June 30, 2009).
APPENDIX B

Miller, Bruce, "A Compact Variable Rate Sprayer Unit for Teaching Precision," Sponsored by Utah State University, $13,200.00. (January 23, 2008 - December 23, 2008).

Miller, Bruce, "NACTA/SERD Project Director’s Conference," Sponsored by USDA-CREES, $8,000.00. (July 1, 2007 - December 20, 2008).

Miller, Bruce, "Career and Technical Education Student Organizations ♦ Utah FFA Executive Secretary," Sponsored by Utah State Office of Education, Career and Technical Education Division, $72,587.00. (July 1, 2007 - June 30, 2008).

AWARDS AND HONORS

CSREES Partnership Award - Mutlitsate Efforts. (September 25, 2008).

SBIR Proposal Reviewer. (December 20, 2007).

Special Panel Reviewer. (May 20, 2007).

ESCOP/ACOP Leadership Development Program Graduate - Class 10. (July 30, 2001).

Faculty of the Quarter. (July 30, 1997).

Advisor of the Year. (July 30, 1995).

EXTENSION

LIST OF COOPERATIVE EXTENSION PROJECTS:

Agricultural Systems Technology and Education Department.

SERVICE

General Service

Professional/Public

Committee Member, ASABE P-205 Committee

Committee Member, ASABE

Reviewer, Grant Proposal, NIOSH/CDC Special Grant Review Panel, Pittsburgh, PA

Reviewer, Journal Article, Compost Science and Utilizaiton

Utah State University

Ombusperson for T&P committees, January 2006.
CONSULTING


Utah State University. (October 1, 2009 - December 20, 2009).

USDA. (January 1, 2009 - May 29, 2009).

NIH/CDC. (March 2, 2009 - March 6, 2009).

NIH. (February 22, 2009 - February 26, 2009).


College of Agriculture. (January 1, 2008 - August 10, 2008).

NIH - NIOSH. (July 15, 2008 - July 18, 2008).

NIH - NIOSH. (March 25, 2008 - March 28, 2008).

PROMOTION AND TENURE COMMITTEES

Promotion Committee

Anderson, J. (Committee Member), Christensen, N. K. (Committee Chair), LeBlanc, H. R. (Committee Member), Miller, B. (Outside Member), Schvaneveldt, N. (Committee Chair), Steinitz, T. (Committee Member), Wengreen, H., Deer, H. M. (Ombudsperson).

Steinitz, T. (Committee Chair), Barta, J. J. (Committee Member), Wengreen, H. (Committee Member), Smith Kudin, J. (Committee Member), Israelsen, M. (Committee Member), Miller, B. (Ombudsperson).

Tenure Review

Norton, J. M. (Committee Chair), MacAdam, J. W. (Committee Member), Drost, D. T. (Committee Member), Rasmussen, P. (Committee Member), Evans, E. W. (Outside Member), Miller, B. (Ombudsperson).

Bunch, T. D. (Committee Chair), ZoBell, D. (Committee Member), Broadbent, J. R. (Committee Member), Feuz, D. (Committee Member), Hall, J. O. (Committee Member), Miller, B. (Ombudsperson).
Rhonda L. Miller  
Utah State University  
(435) 797-3772  
Email: rhonda.miller@usu.edu

EDUCATION

PhD, Iowa State University, 1993.  
Major: Agronomy

MS, University of Nebraska, 1986.  
Major: Agronomy

BS, University of Nebraska, 1983.  
Major: Dual Major: Agronomy & Agricultural Economics

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science.  
American Society of Agricultural and Biological Engineers.  
American Society of Agronomy.  
Crop Science Society of America.  
Gamma Sigma Delta, Honorary National Agricultural Fraternity.  
North American Colleges and Teachers of Agriculture.  
Sigma Xi, Honorary Scientific Research Society.  
Soil Science Society of America.  
Western Region Society of Soil Science.

ACADEMIC INSTRUCTION

DIRECTED STUDENT LEARNING

Major Professor, Agricultural Systems Technology & Education. (May 2013 - Present).  
Advised: Helen Muntz

Undergraduate Research and Creative Opportunity/URCO, "Can Fertilizers and Nutrients Reduce the Competitive Ability of Medusahead?," Agricultural Systems Technology &
APPENDIX B

Education. (March 2013 - Present).
Advised: Michael Jensen

Dissertation Committee Member, "Gaseous Emissions from Agricultural Sources," Civil &
Environmental Engineering. (December 2012 - Present).
Advised: Kori Moore

Master's Committee Member, "Grass-Legume Pastures," Plants, Soils, and Climate.
(December 2012 - Present).
Advised: TJ Bingham

Major Professor, Agricultural Systems Technology & Education. (July 27, 2012 - Present).
Advised: Mylind Fawcett

Master's Committee Chair, "Analytical Comparison of Bovine Parentage Single Nucleotide
Polymorphisms," Agricultural Systems Technology & Education. (June 2011 - Present).
Advised: Joshua Dallin

Dissertation Committee Member, "Determination of Gaseous Emissions from Manure
Sources." (August 2010 - Present).
Advised: Pakorn Sutitarnmontr

Major Professor, "Effect of Land Use on Water Quality in Tiled Field Drains in Northern Utah,"
Agricultural Systems Technology & Education. (August 2010 - Present).
Advised: Jim Bowcutt

Undergraduate Research and Creative Opportunity/URCO, "Cost-Benefit Analysis of Drying
Advised: Trevor Nielson

Major Professor, "Impact of Manure Staging Areas," Agricultural Systems Technology &
Education. (January 2013 - December 2013).
Advised: Kristin Sittner

Master's Committee Chair, "Effects of a Flushing Diet on the Performance of Ewes in an Open
Range Management System," Agricultural Systems Technology & Education. (August
2009 - December 2013).
Advised: Fernando Villar-Fornes

Undergraduate Research and Creative Opportunity/URCO, "Impact of Compaction on Nutrient
Advised: Skyler Murdock

Master's Committee Member, "Development of Ecologically-Based Invasive Plant
Management Curricula for Land Manager and University Audiences," Environment &
Advised: Halley Kartchner

Undergraduate Research and Creative Opportunity/URCO, "Practical and Cost-Effective
(November 2011 - May 2012).
Advised: Brandon Percival
Master's Committee Chair, Agricultural Systems Technology & Education. (August 2009 - December 2011).
Advised: Nayda Gonzalez

Master's Committee Chair, "Global 4-H," Agricultural Systems Technology & Education. (January 2010 - June 2011).
Advised: Jennifer Major

AWARDS AND HONORS

NACTA Teacher Fellow Award. (June 22, 2007).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Professional Journal (Published)


Journal Article, Academic Journal (Published)


Other Intellectual Contributions

Abstract (Published)

APPENDIX B

Fact Sheet-Extension (Published)

Logan, UT: Utah State University Extension.

Fact Sheet-Extension (Published)


Fact Sheet-Extension (Published)

extension.usu.edu/files/publications/publication/AG_Dairy_2010-01pr.pdf

Fact Sheet-Extension (Published)

environment. Nitrogen and phosphorus leaching. USU Cooperative Extension Service, Electronic

PRESENTATIONS GIVEN

Murdock, S. (Author Only), Jensen, M. (Author Only), Miller, R. L. (Author Only), Sutitarnnontr,
P. (Presenter Only), American Society of Agronomy Annual Meeting, "Impact of
Compaction on Ammonia Losses from Urine Deposition," American Society of Agronomy,

Bingham, T., Waldron, B., Creech, J. E., ZoBell, D., Miller, R. L., ASA/CSSA/SSSA 2013
International Annual Meetings, "Plant and animal performance in mixed tall fescue/legume

International Meeting, "Accuracy and Precision of Measurement of Gas Emissions from
Manure Sources Using a Multiplexing System and Portable FTIR Gas Analyzer," American
Society of Agricultural and Biological Engineers, Kansas City, MO. (July 21, 2013 - July 24,
2013).

Miller, R. L. (Presenter & Author), Jensen, M. (Author Only), Murdock, S. (Author Only),
Maynes, M. (Author Only), ASABE Annual Meeting, "Environmental Impacts of Manure
Staging Areas," American Society of Agricultural and Biological Engineers, Kansas City,

Miller, R. L. (Presenter & Author), Brown-Reither, A. (Author Only), Carlisle, D. (Author Only),
ISASH Annual Meeting, "Assistive Technology that Can Help Make Everyday Tasks Easier
and Safer," International Society for Agricultural Safety and Health, Sandusky, OH. (June


Maynes, M. (Presenter & Author), Miller, R. L. (Author Only), Student Research and Scholarly Work Symposium, "Does Fertilization Influence the Competitive Ability of Plant Communities Infested with Medusahead?," USU College of Agriculture. (September 20, 2012).


Petersen, L., Miller, R. L., Utah Farm Bureau Board Meeting, "Arthritis in Agriculture," Utah Farm Bureau, Sandy, UT. (December 7, 2010).

APPENDIX B


Johnson, T. (Presenter Only), Miller, R. L. (Author Only), Petersen, L. (Author Only), Hobby, J. (Author Only), Dixie Regional Medical Center Health Fair, "AgrAbility of Utah," Dixie Regional Medical Center, St. George, UT. (November 19, 2010).

Johnson, T., Miller, R. L., Petersen, L., Hobby, J., Dixie Regional Medical Center Staff Meeting, "AgrAbility of Utah Services," Dixie Regional Medical Center, St. George, UT. (November 19, 2010).

Miller, R. L. (Author Only), Petersen, L. (Presenter & Author), Hobby, J. (Presenter & Author), Boore, B. (Presenter Only), Farm Bureau Convention, "AgrAbility of Utah," Utah Farm Bureau, Layton, UT. (November 18, 2010 - November 19, 2010).

Johnson, T., Miller, R. L., Petersen, L., Young Farmers Meeting, "AgrAbility of Utah," Young Farmers, Cedar City, UT. (November 18, 2010).


Johnson, T., Miller, R. L., Hobby, J., Valley Mental Health Staff Meeting, "Resources for Agriculturalists," Valley Mental Health Center, Tooele, UT. (November 4, 2010).


Miller, R. L. (Author Only), Boore, B. (Presenter Only), Petersen, L. (Author Only), Cedar Livestock Festival, "AgrAbility of Utah," USU Extension, Cedar City, UT. (October 29, 2010 - October 30, 2010).


Miller, R. L. (Author Only), Petersen, L. (Presenter & Author), Davis, C. (Presenter & Author), Hobby, J. (Presenter & Author), OT Continuing Education Course, "Working with Agriculturalists," AgrAbility of Utah, Salt Lake City, UT. (October 22, 2010 - October 23, 2010).

Snow, J., Miller, R. L., Petersen, L., Hobby, J., Ashley Valley Hospital Staff Meeting, "Working with Agriculturalists," Ashley Valley Hospital, Vernal, UT. (October 21, 2010).


Miller, R. L. (Presenter & Author), Dairy Producer Meeting, "Update on AFO/CAFO Regulations," Utah Dairy Council, Perry, UT. (October 19, 2010).


Miller, R. L. (Presenter & Author), Beef Quality Assurance Program, "Update on AFO/CAFO Regulations," USU, Logan, UT. (September 23, 2010).


Miller, R. L. (Presenter & Author), Jensen, B. J., Munns, B. T., Cardon, G. E., Air Quality and Manure Management Symposium, "Use of Steel Slag to Reduce Phosphorus Loading in Animal Waste Handling Systems," American Society of Agricultural and Biological Engineers, Dallas, TX. (September 13, 2010 - September 15, 2010).


Petersen, L., Miller, R. L., Hobby, J., Vocational Rehabilitation Administration Meeting, "VR and AgrAbility of Utah -- Helping Agriculturalists," Utah Vocational Rehabilitation, Salt Lake City, UT. (July 29, 2010).

Miller, R. L. (Presenter & Author), Intermountain Irrigated Pasture Research Field Day, "Environmental Impacts of Deferred Grazing Systems," USU Ag Experiment Station, Lewiston, UT. (July 22, 2010).


Miller, R. L. (Presenter & Author), Utah Ag Agents Meeting, "Mortality Composting," USU Extension, Cedar City, UT. (June 15, 2010).

Miller, R. L. (Author Only), Snow, J. (Presenter Only), Petersen, L. (Author Only), Hobby, J. (Author Only), Ashley Valley Hospital Staff Meeting, "AgrAbility of Utah," Ashley Valley Hospital, Vernal, UT. (June 14, 2010).


Petersen, L., Miller, R. L., Hobby, J., Vocational Rehabilitation Visions Training, "Assisting Agriculturalists," Utah Vocational Rehabilitation, Salt Lake City, UT. (June 2, 2010).


Hobby, J. (Presenter & Author), Miller, R. L. (Presenter & Author), USU Extension Northern Region Meeting, "AgrAbility and the Good Neighbor Initiative," USU Extension, Farmington, UT. (April 27, 2010).


Miller, R. L. (Presenter & Author), Farm Bureau Issue Meeting, "Air Quality Regulations and Agriculture," Farm Bureau, Logan, UT. (April 21, 2010).


Miller, R. L. (Presenter & Author), Hobby, J. (Presenter & Author), Utah Dairy Convention, "AgrAbility of Utah," Utah Dairy Council, St. George, UT. (March 10, 2010 - March 12, 2010).


Miller, R. L. (Presenter & Author), Box Elder Cattlemen Meeting, "New AFO/CAFO Regulations," Box Elder Cattlemen, Tremonton, UT. (February 6, 2010).


Miller, R. L. (Presenter & Author), University of Utah OT Program, "AgrAbility of Utah," Salt Lake City, Utah. (December 7, 2009).

Miller, R. L. (Presenter & Author), Woolgrowers, "Utah Strategy - Phase II," Layton, Utah. (December 5, 2009).


Miller, R. L. (Presenter & Author), NE-1024 Regional Coordinating Committee, "Nutrient Cycling in Grazing Systems," Minneapolis, MN. (November 18, 2009).


Miller, R. L. (Presenter & Author), Southern Utah Unity Summit, "AgrAbility of Utah Services," Cedar City, Utah. (October 26, 2009).

Miller, R. L. (Presenter & Author), OT CEU Course, "Helping Farmers and Ranchers with Disabilities," Salt Lake City, Utah and Riverton, Utah. (October 24, 2009).

Miller, R. L. (Presenter & Author), Mental Health Authority - Director's Meeting, "AgrAbility of Utah," Salt Lake City, Utah. (October 15, 2009).


Miller, R. L. (Presenter & Author), NC-1021 Regional Coordinating Committee, "Field Tour of Intermountain West Pasture Facility," Lewiston, Utah. (September 25, 2009).

Miller, R. L. (Presenter & Author), NC-1021 Regional Coordinating Committee, "Nutrient Cycling in Grazing Systems," Logan, Utah. (September 24, 2009).


Miller, R. L. (Presenter & Author), Association of Governments, "Introduction to AgrAbility," Richfield, Utah. (July 6, 2009).


Miller, R. L. (Presenter & Author), "AgrAbility of Utah Services," Beaver, Utah. (June 12, 2009).


Miller, R. L. (Presenter & Author), Paradise Gardner’s Training, "Sustainable Agriculture," Paradise, Utah. (March 27, 2009).


Miller, R. L. (Presenter & Author), University of Utah - Occupational Therapists, "AgrAbility of Utah," Salt Lake City, Utah. (March 25, 2009).


Miller, R. L. (Presenter & Author), American Society of Agricultural and Biological Engineers, "Farmer-friendly automatic gate system.,” Providence, RI. (December 30, 2008).

Miller, R. L. (Presenter & Author), American Society of Agricultural and Biological Engineers Annual Meeting, "Depression as a Risk Factor for Agricultural Injuries.,” Providence, RI. (December 30, 2008).

Miller, R. L. (Presenter & Author), American Society of Agronomy, "Effects of traditional grazing and deferred grazing on nutrient cycling.,” Houston, Texas. (December 30, 2008).

Miller, R. L. (Presenter & Author), Utah Health Policy Project, "AgrAbility of Utah (Utah Health)," St. George, Utah. (December 3, 2008).

Miller, R. L. (Presenter & Author), Utah Woolgrower's Association, "AgrAbility of Utah (Utah Woolgrower's)," Salt Lake City, Utah. (December 3, 2008).

Miller, R. L. (Presenter & Author), Aspen Care, "AgrAbility of Utah (Aspen Care Medical)," Ogden, Utah. (November 5, 2008).


Miller, R. L. (Presenter & Author), OHV Club, "AgrAbility of Utah (OHV Club)," Castledale, Utah. (November 4, 2008).


Miller, R. L. (Presenter & Author), Utah Migrant and Seasonal Farmworkers Association, "AgrAbility of Utah (Migrant and Seasonal Farmworkers)," Salt Lake City, Utah. (October 9, 2008).

Miller, R. L. (Presenter & Author), UATP/UCAT, "AgrAbility Overview (UATP/UCAT)," Logan, Utah. (October 6, 2008).

Miller, R. L. (Presenter & Author), UOTA Annual Conference, "AgrAbility of Utah (UOTA)," Salt Lake City, Utah. (October 5, 2008).


Miller, R. L. (Presenter & Author), Deaf and Hard of Hearing, "AgrAbility of Utah (ADA)," St. George, Utah. (July 8, 2008).

Miller, R. L. (Presenter & Author), San Juan Farm Bureau, "AgrAbility of Utah (San Juan FB)," Blanding, Utah. (April 15, 2008).


Miller, R. L. (Presenter & Author), Utah Legislature Agriculture Subcommittee, "AgrAbility of Utah (Utah Legislature)," Salt Lake City, Utah. (February 4, 2008).


Rasmussen, C. L. (Presenter & Author), Warnick, B. K. (Author Only), Miller, R. L. (Author Only), 53rd Annual NACTA Conference, "Changes in student perceptions of agriculture and life science during a general education life science course.," North American Colleges and Teachers of Agriculture, Champaign, IL. (June 13, 2007).

Miller, R. L. (Presenter & Author), "Navigating Obstacles," Logan, UT. (June 6, 2007).


Miller, R. L. (Presenter & Author), Farm Bureau, "AgrAbility of Utah," SLC. (February 9, 2007).

APPENDIX B

Miller, R. L. (Presenter & Author), Warnick, B. K. (Presenter & Author), Western Region Teaching Symposium, "Teaching agriculture through a general education life science course for non-majors.," Logan, UT. (September 25, 2006).

Miller, R. L. (Presenter & Author), Western Region Teaching Symposium, September 22-23, "Teaching agriculture through a general education life science course for non-science majors," Logan, UT. (September 22, 2006).


Miller, R. L. (Presenter & Author), Warnick, B. K. (Author Only), 52nd Annual NACTA Conference, "Teaching agriculture through a general education life science course for non-majors," North American Colleges and Teachers of Agriculture, Vancouver, BC. (June 18, 2006).


Miller, R. L. (Presenter & Author), In 2003 NACTA Abstracts, p. 58. Twin Falls, ID: North American Colleges and Teachers of Agriculture, "Factors associated with the choice of
college major in Utah: Comparison of students planning to major in agriculture versus students not planning to major in agriculture." (June 30, 2003).

Miller, R. L. (Presenter & Author), Rural Health Association of Utah, 2nd Annual Conference, November 1-2, "Utah AgrAbility." (November 1, 2001).


Miller, R. L. (Presenter & Author), ASAE Paper 01-8027, "PUSH or PULL: Should the primary driving force of agricultural technology curricula be research advances of employer needs," St. Joseph, MI: American Society of Agricultural Engineers. (June 30, 2001).


Miller, R. L. (Presenter & Author), The Utah Environmental Health Association, Fall Education Conference, Sept. 29-31, "Assessing the environmental impacts of small farms." (September 29, 1999).


MEDIA CONTRIBUTIONS

Internet

Facebook. (2013).
Facebook. (2012).
Facebook. (September 2010).

Other

The Scenic Route - Still Working the Land. (April 2013).

TV

KVNU. (April 2010).

CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant


Jones, Scott, Miller, Rhonda L., Tuller, Marcus, Walworth, James, "A Novel Gradient-Based Method for In Situ Monitoring of GHG Emissions from Intensively Used Ag Areas," Sponsored by USDA-AFRI Air Quality, $599,879.00. (January 1, 2010 - December 31, 2014).

Villalba, Juan (Principal), Burritt, Beth (Co-Principal), Coppock, Layne D. (Co-Principal), Miller, Rhonda L. (Co-Principal), Snyder, Donald L (Co-Principal), Van Miegroet, Helga (Co-Principal), "Using New Knowledge on grazing behavior to control medusahead in the western US," Sponsored by USDA-NIFA, Federal, $416,000.00. (October 2011 - September 2014).

Miller, Rhonda L. (Principal), "Crop Nutrient Management Phone App," Sponsored by USU Extension, Utah State University, $10,000.00. (July 1, 2013 - June 30, 2014).

Miller, Rhonda L. (Principal), "Impact of Tannins on Nutrient Cycling and Greenhouse Gas Emissions," Sponsored by UAES, Utah State University, $30,000.00. (July 1, 2013 - June 30, 2014).

Miller, Rhonda L. (Principal), "Producer Website," Sponsored by Utah DWQ, State, $10,000.00. (July 1, 2013 - June 30, 2014).

Miller, Rhonda L. (Principal), "Environmental Impact of Manure Staging Areas," Sponsored by UAES, Utah State University, $20,000.00. (June 2012 - June 2014).


Miller, Rhonda L. (Principal), "Extension Intern - Ag Waste Management," Sponsored by USU Extension, Utah State University, $5,000.00. (May 2013 - May 2014).

Jensen, Michael, Miller, Rhonda L., "Can Fertilizers and Nutrients Reduce the Competitive Ability of Medusahead?," Sponsored by URCO Program, Utah State University, $500.00. (March 2013 - February 2014).


Miller, Rhonda L. (Principal), "Manure and Nutrient Management Phone App," Sponsored by USU Extension, Utah State University, $10,000.00. (July 1, 2012 - June 30, 2013).

Miller, Rhonda L. (Principal), "Tannins and their Effect on Nutrient Cycling," Sponsored by Pasture Supplemental Grant, Utah State University, $15,000.00. (July 1, 2012 - June 30, 2013).


Murdock, Skyler (Principal), Miller, Rhonda L., "Impact of Compaction on Nitrogen Cycling," Sponsored by URCO Program, Utah State University, $500.00. (November 2012 - May 2013).

Miller, Rhonda L. (Principal), "Extension Intern - AgrAbility of Utah," Sponsored by USU Extension, Utah State University, $5,000.00. (May 2012 - May 2013).

Miller, Rhonda L. (Principal), "Extension Intern - Agricultural Environmental Quality," Sponsored by USU Extension, Utah State University, $5,000.00. (May 2012 - May 2013).


Percival, Brandon (Principal), Miller, Rhonda L., "Practical and Cost-Effective Method of Analyzing Volatilized Ammonia for Field Use," Sponsored by URCO Program, Utah State University, $500.00. (November 2011 - May 2012).

Miller, Rhonda L. (Principal), "Extension Intern - AgrAbility of Utah," Sponsored by USU Extension, Utah State University, $5,000.00. (May 2011 - May 2012).

Miller, Rhonda L. (Principal), Mesner, Nancy (Supporting), "Demonstrating Best Management Practices for the Protection of Water Quality on USU's Agricultural Lands," Sponsored by Utah Ag Experiment Station, Utah State University, $6,000.00. (July 1, 2010 - April 30, 2012).


Miller, Rhonda L. (Principal), Mesner, Nancy (Supporting), "Demonstrating Best Management Practices for the Protection of Water Quality on USU's Agricultural Lands," Sponsored by USU Extension, Utah State University, $6,000.00. (June 10, 2010 - June 30, 2011).


Miller, Rhonda L., "Graduate Student Recruitment Funding," Sponsored by Utah State University School of Graduate Studies, $1,000.00. (October 1, 2009 - June 30, 2010).

Miller, Rhonda L., "Monitoring Environmental Quality Associated with Livestock Grazing on Irrigated Pasture," Sponsored by State Pasture Funds, $20,000.00. (July 1, 2009 - June 30, 2010).

Miller, Rhonda L., "AgrAbility of Utah," Sponsored by USDA-CSREES, $199,000.00. (April 1, 2009 - March 31, 2010).


Miller, Rhonda L., "Use of Steel Slag to Reduce Phosphorus Loading in Animal Waste Systems," Sponsored by Utah State University URCO, $1,000.00. (November 1, 2008 - June 30, 2009).

Miller, Rhonda L., "Graduate Student Recruitment Funding," Sponsored by Utah State University School of Graduate Studies, $1,000.00. (July 1, 2008 - June 30, 2009).


Miller, Rhonda L., "NACTA/SERD Conference," Sponsored by USDA-CSREES, $8,000.00. (July 1, 2007 - June 30, 2008).


AWARDS AND HONORS


Teacher of the Year. (July 30, 2005).

Living on the Land Curriculum, Communication Award. (July 30, 2002).

Living on the Land Curriculum, Educational Materials Award. (July 30, 2002).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Other


RESEARCH IN PROGRESS

"Using new knowledge on grazing behavior to control medusahead in the Western US" (On-Going)

Medusahead is an invasive weed, which impacts whole ecosystems, reducing habitat and biodiversity, commercial and recreational value. Grazing represents a sustainable, efficient, and low-cost alternative for its control. However, results about its applicability are not encouraging. Grazing approaches have not considered new knowledge on foraging behavior like the importance of positive experiences early in life with the biochemical context (provided by the plant community or supplements) on preference for target feeds. We propose to investigate a supplementation and fertilization program, to provide the appropriate nutritional context to enhance use of medusahead by sheep (Objective 1a), and favor soil conditions necessary to increase the competitive ability of perennials in the community (Objective 2a). Using this information, we will implement a supplementation and fertilization program to increase medusahead use by sheep (Objective 1b) and explore its impact on soils and on the plant community (Objective 2b). We will also test the effects of an appropriate nutritional context experienced early in life with mother on use of medusahead later in life by sheep (Objective 1c). We will determine how social, cultural,
economic, and/or institutional factors influence prospects for the control of medusahead infestations in southern Cache County, Utah (Objective 3).

EXTENSION

LIST OF COOPERATIVE EXTENSION PROJECTS:

Agricultural Environmental Quality. January 1, 2009 - December 31, 2014

SERVICE

General Service

College

Ag Day BBQ, 1999.
Committee Member, Search Committee for Ag Exp Station Statistician, 2009.
Committee Member, Graduate Fellowship Committee, College of Agriculture, USU, 2007.
Committee Member, College of Agriculture Graduate Scholarship Committee, 2006.
Committee Member, College of Agriculture Undergraduate Scholarship Committee, 2004.

College of Natural Resources

ENVS Department, Policy Position Search Committee, 2008.

Department

Committee Member, Denise Stewardson Promotion and Tenure Committee, August 2013.
Committee Member, Kelsey Hall Promotion and Tenure Committee, January 2012.
Committee Member, Becki Lawver Promotion and Tenure Committee, January 2010.
Committee Member, Michael Pate Promotion and Tenure Committee, January 2010.
Committee Member, Lindsey Shirley Promotion and Tenure Committee, 2008.
Committee Member, Agricultural Systems Technology and Education Departmental Graduate Education Committee, 2003.
Prepare/Grade Certification Exams, FFA Ag Mechanics Contest, 2000.
Committee Member, Royce Hatch Promotion Committee.
Committee Member, Brian Warnick Promotion and Tenure Committee, 2007.
APPENDIX B

Committee Member, Agricultural Systems Technology and Education Departmental Social Committee, 2008.
Committee Chair, ASTE Department, Ag Systems Position Search Committee, 2008.
Committee Chair, ASTE Department, Systems Position Search Committee, 2008.
Committee Member, Julie Wheeler Promotion and Tenure Committees, 2008.
Committee Member, ASTE Department, FCSE Position Search Committee, 2007.
Committee Member, Agricultural Systems Technology and Education Department Undergraduate Curriculum Committee, 2004.

Other


Professional/Public

Member, eXtension - Farm Safety and Health Community of Practice
Member, ASABE Environmental Air Quality Committee (SE-305)
Member, Bear River Cutler Reservoir Advisory Committee, UT
Member, Environmental Stewardship Committee, UT
Reviewer, Journal Article, American Society of Agricultural & Biological Engineers
Member, Water Quality Task Force
Member, AFO/CAFO Education Workgroup
Chairperson, eXtension - LPE Environmental Planning
Member, ASABE Agricultural Waste Management Committee (SE-412)
Member, eXtension - LPE Small Farms
Member, AFO/CAFO Committee, UT
Member, Air Quality Committee
Reviewer, Journal Article, Preventive Medicine
Reviewer, Journal Article, Journal of Agricultural Safety and Health
Member, National AgrAbility Marketing Workgroup
Member, NC-1182/NC-1021/NC-1084 Regional Research Project
Member, NE-1044/NE-1024 Regional Research Project: Whole Farm Dairy and Beef Systems for Environmental Quality
Member, Cache County PM2.5 Workgroup, UT
Editor, Associate Editor, Agronomy Journal
Ag Day BBQ
Member, NPS Task Force
Panel Review, Beginning Farmer and Rancher Development Program
Host, Nitrogen Cycling, Loading, and Use Efficiency in Forage-Based Livestock Production Systems
Tenure Reviewer for Another Institution, Vinicius Moreira Promotion & Tenure, Louisiana State University Agricultural Center
Reviewer, Journal Article, Journal of Natural Resources and Life Sciences Education
Reviewer, Grant Proposal, Beginning Farmer and Rancher Development Program
Reviewer, Grant Proposal, Small Business Innovation Research
Committee Member, North American Colleges and Teachers of Agriculture
Western Regional Director, North American Colleges and Teachers of Agriculture
Committee Member, American Society of Agronomy ACS526 Committee
Committee Member, American Society of Agronomy: Women in Agronomy, Crops, Soils and Environmental Sciences Committee
Membership Committee, North American Colleges and Teachers of Agriculture
Membership Committee, North American Colleges and Teachers of Agriculture
Program Organizer, NACTA/SERD Joint Annual Conference, Logan, UT
Panel Review, Higher Education Challenge Grants
Panel Review, AgrAbility Projects
Region Realignment Subcommittee, North American Colleges and Teachers of Agriculture
Chairperson, AAAS-Pacific Division Agriculture and Horticulture Science Section
Officer, Secretary, Sigma Xi, Honorary Scientific Research Society
Committee Member, North American Colleges and Teachers in Agriculture
Panel Review, AgrAbility Supplemental Grants
Chairperson, NE-1024 Regional Research Project: Whole Farm Dairy and Beef Systems for Environmental Quality
Western Regional Director - Elect, North American Colleges and Teachers of Agriculture
Committee Member, AAAS-Pacific Division By-Laws Committee
Judge, AAAS-Pacific Division Student Symposium
Committee Member, National AgrAbility Technical Materials Advisory Committee
Board Member, Pacific Division: American Association for the Advancement of Science
Committee Chair, American Society of Agronomy J. Fielding Reed Scholarship Committee
Officer, Secretary, NE-1024 Regional Research Project: Whole Farm Dairy and Beef Systems for Environmental Quality

Committee Member, AAAS-Pacific Division Dr. Leviton Award

Committee Member, American Society of Agronomy J. Fielding Reed Scholarship Committee

Committee Member, AAAS-Pacific Division Meeting Planning Committee

Committee Member, AAAS-Pacific Division New Member Guidelines Committee

Co-host, 85th Annual Meeting of the Pacific Division, American Association for the Advancement of Science, Logan, UT

Judge, American Society of Agronomy Undergraduate Student Research Symposium Contest

Committee Member, American Society of Agronomy K-12 Strategic Planning Committee

Committee Member, American Society of Agronomy Division A-5 and S-11 Merger Subcommittee

Committee Member, Utah Farm-A-Syst Program Materials Verification and Adaptation Committee

Officer, Secretary, Sigma Xi, Honorary Scientific Research Society

Member, Western Region SARE Administrative Council (USDA)

Committee Member, Curriculum and Instructional Policy Committee, Department of Agronomy, Iowa State University

Committee Member, Associate Dean for Academic Affairs Selection Committee, College of Agriculture, Iowa State University

State

Committee Member, NPS Conference Planning Committee, 2010.

Committee Member, UACD Conference Planning Committee, April 2010.

Committee Member, NPS Task Force, 1999.

Utah State University

Committee Member, Extension Specialists Association, 2009.

Committee Member, Budget and Faculty Welfare Committee, August 2008.

Committee Member, USU General Education Committee, 2005.


Committee Member, Pasture Initiative Committee, 2000.

Grant Proposal Reviewer, Internal, Agricultural Experiment Station, 2013.

Committee Member, USU Student Conduct Hearing Board, 2012.


Committee Member, Benefits Advisory Committee, 2011.
Chairperson, Budget and Faculty Welfare Committee, August 2010.
Grant Proposal Reviewer, Internal, Agricultural Experiment Station, 2011.
Committee Member, Code Compliance Committee, 2009.
Committee Member, Budget and Faculty Welfare Committee, August 2008.
Grant Proposal Reviewer, Internal, Agricultural Experiment Station, 2009.
Board Member, Campus Judicial Board, 2007.
Faculty Evaluation Committee, 2004.
Committee Member, Information Literacy Committee, 2006.
Guest Speaker, Internal, Connections.
Member, Campus Judicial Board, 1999.
Committee Member, USU Communications Intensive Course Approval Committee, 2000.
Committee Chair, Campus Judicial Board.

CONSULTING

eXtension. (April 1, 2009 - Present).
American Society of Agronomy. (November 1, 2008 - Present).
American Society of Agronomy. (November 1, 2008 - Present).
USU. (September 15, 2008 - Present).
USU. (August 1, 2008 - Present).
ASABE. (July 1, 2008 - Present).
USU. (October 15, 2007 - Present).
USU. (July 1, 2007 - Present).
USU. (January 2, 2007 - Present).
USU. (January 1, 2007 - Present).
USU. (January 1, 2005 - Present).
USU. (July 1, 2004 - Present).
USU. (July 1, 2003 - Present).
USU. (January 1, 2001 - Present).
NACTA. (June 20, 2000 - Present).
USU. (January 1, 2009 - October 31, 2009).
NACTA. (June 21, 2005 - July 1, 2009).
USU. (September 1, 2008 - May 1, 2009).
USDA - Small Business Innovation Research. (February 19, 2009 - February 20, 2009).
USU. (January 1, 2006 - December 31, 2008).
NACTA. (June 20, 2007 - July 1, 2008).
NACTA. (June 20, 2006 - July 1, 2008).
USU. (July 1, 2006 - June 30, 2008).
USU. (January 1, 2004 - December 31, 2007).
Utah Chapter Sigma Xi. (January 1, 2003 - December 31, 2007).

AWARDS AND HONORS

Other

Living on the Land Curriculum, Western Extension Directors. (July 22, 2009).
Living on the Land Curriculum, CSREES Partnership Award. (December 30, 2008).
PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Beard, R. (Committee Chair), Feuz, D. (Committee Member), McNeal, L. (Committee Member), Miller, R. L. (Committee Member), Warnick, B. K. (Committee Member), Deer, H. M. (Ombudsperson).

Miller, R. L. (Committee Member).

Beard, R. (Committee Chair), Kopp, K. (Outside Member), Miller, R. L. (Committee Member), Skogrand, L. M. (Committee Member), Straquadine, G. (Committee Member).

Promotion Committee

Rickords, L. F. (Committee Chair), Baldwin, T. J. (Committee Member), Davies, C. (Committee Member), Rood, K. (Committee Member), Miller, R. L. (Outside Member).
Betty Murri
Utah State University
(435) 797-1565
Email: betty.murri@usu.edu

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
FCSE 1140, Introductory Sewing, 5 courses.
FCSE 2040, Clothing Production Principles, 3 courses.
FCSE 3030, Textile Science, 3 courses.
FCSE 3040, Advanced Clothing Production, 3 courses.
FCSE 4900, Independent Study, 3 courses.
Michael L. Pate  
Utah State University  
(435) 797-3508  
Email: michael.pate@usu.edu

EDUCATION

PhD, Iowa State University, 2009.  
Major: Agricultural Education  
Dissertation Title: Effects of metacognitive instructional strategies in secondary career and technical education courses

MS, University of Arkansas, 2005.  
Major: Agricultural Education  
Dissertation Title: Effects of think aloud pair problem-solving on the troubleshooting performance of post-secondary students in a small engine technology course

BS, University of Arkansas, 2003.  
Major: Agricultural Education Teacher Certification  
Supporting Areas of Emphasis: Agricultural Systems Technology Management

PROFESSIONAL POSITIONS

Academic - P-12

Agricultural Science Instructor, Springdale Public Schools, Springdale, AR. (July 2006 - January 2007).


Agricultural Science Instructor, Westside Public Schools, Coal Hill, AR. (July 2004 - June 2005).

Academic - Post Secondary

Graduate Research Assistant, Iowa State University, Ames, IA. (May 2009 - December 2009).

Graduate Teaching and Research Assistant, Iowa State University, Ames, IA. (August 2007 - December 2009).

Professional

PROFESSIONAL MEMBERSHIPS

North American Colleges and Teachers of Agriculture. (January 2012 - Present).
American Society of Agricultural and Biological Engineers. (2010 - Present).
American Association for Agricultural Education. (2007 - Present).
Iowa Association for Agricultural Educators. (2008 - 2009).
National Association for Agricultural Educators. (2008 - 2009).
Preparing Future Faculty Fellow, Iowa State Graduate College. (2008 - 2009).

AWARDS AND HONORS

1st Place Outstanding Research Poster, North Central AAAE Manhattan, KS. (2010).
Graduate Research Excellence Award, Iowa State University. (December 2009).
Coordinator Recognition Award, Iowa State University College of Agriculture and Life Sciences Learning Community. (2008).
Graduate Teaching Excellence Award, Iowa State University. (August 2008).

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

ASTE 1010, Introduction to Agricultural Systems Technology, 5 courses.
ASTE 2200, ELECTRICITY AG SYSTM, 3 courses.
ASTE 3030, Metal Welding Processes and Technology in Agriculture, 9 courses.
ASTE 3080, Compact Power Units for Agricultural and Turfgrass Applications, 7 courses.
ASTE 4100, Agricultural Structures and Environment, 2 courses.
ASTE 6100, Research Methods in Agricultural Systems, 1 course.
ASTE 6450, Graduate Topics in Agricultural Education, 1 course.
ASTE 6700, Research Methods in Social Sciences, 1 course.
TEE 6750, Research Methods and Design, 1 course.

DIRECTED STUDENT LEARNING

Master's Committee Chair, Agricultural Systems Technology & Education. (August 2013 - Present).
Advised: Thomas Bleazard

Master's Committee Member, Agricultural Systems Technology & Education. (August 2013 - Present).
Advised: Justin Beus

Master's Committee Member, Agricultural Systems Technology & Education. (August 2013 - Present).
Advised: Tyson Balls

Master's Committee Member, Agricultural Systems Technology & Education. (July 2013 - Present).
Advised: Kristen Sittner

Master's Committee Member, Agricultural Systems Technology & Education. (April 2013 - Present).
Advised: Mylind Fawcett

Master's Committee Member, Agricultural Systems Technology & Education. (August 2012 - Present).
Advised: Helen Muntz

Master's Committee Member, Agricultural Systems Technology & Education. (January 2012 - Present).
Advised: Sheldonna Zwicker

Master's Committee Chair, Agricultural Systems Technology & Education. (January 2012 - August 2013).
Advised: Malcolm Rose

Master's Committee Member, Agricultural Systems Technology & Education. (January 2012 - August 2013).
Advised: Colby Champneys

Master's Committee Chair, "Livestock Safety for Dine Youth," Agricultural Systems Technology & Education. (November 2011 - May 2013).
Advised: Karah Shumway

Master's Committee Member, Agricultural Systems Technology & Education. (July 2011 - July 2012).
Advised: Krystal Bundy
APPENDIX B

Master's Committee Member, Agricultural Systems Technology & Education. (November 2011 - June 2012). Advised: Sara Vandenbos

Master's Committee Member, Agricultural Systems Technology & Education. (August 2011 - June 2012). Advised: Cash Williams


Master's Committee Member, "Characteristics and qualities of rayon made from bamboo," Agricultural Systems Technology & Education. (November 2011 - May 2012). Advised: Jenny Christensen


RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Conference Proceedings*

*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*
APPENDIX B


PRESENTATIONS GIVEN

Lawver, B. G., Pate, M., Western Region AAAE Conference 2013, "Supervised agricultural experience (SAE) students safety planning a professional development for Western agricultural education teachers.," AAAE, Lubbock, TX. (September 2013).

Pate, M., Lawver, B. G., Western Region AAAE Conference 2013, "Supervised agricultural experience (SAE) supervision and planning for student safety," AAAE, Lubbock, TX. (September 2013).

Hatch, R. (Author Only), Pate, M. (Presenter & Author), Miller, B. (Presenter & Author), Beard, R. (Presenter & Author), ASABE Annual International Meeting, "Agricultural Equipment Industry Partnerships: The "C"s in Curriculum Innovation are for Cooperation and Collaboration.," ASABE, Kansas City, MO. (July 21, 2013 - July 24, 2013).


Hatch, R. (Presenter & Author), Pate, M. (Author Only), Miller, B. (Presenter & Author), Beard, R. (Author Only), NACTA Annual Conference, "Precision Agriculture Technology Troubleshooting Curriculum Development: Cooperation and Collaboration with the Agricultural Equipment Industry.," North American Colleges and Teachers of Agriculture, Blacksburg, Virginia. (June 25, 2013 - June 29, 2013).


Johnson, D. M. (Presenter & Author), Edgar, D. W. (Author Only), Edgar, L. D. (Author Only), Pate, M. (Author Only), NACTA Annual Conference, "Awareness, use and perceptions of...
biodiesel: a comparison of agriculture and non-agriculture majors.,” NACTA, River Falls, WI. (June 2012).


Pate, M., Extension Annual Conference, "Increasing risk awareness of confined spaces in production agriculture," Utah State University, Logan, UT. (March 8, 2012).

Pate, M. (Presenter & Author), Merryweather, A. (Author Only), Young, C. (Author Only), ASABE Research Conference 2011, "Farm Owner/Operators’ Perceptions of Risk Associated with Confined Spaces in Agriculture.,” ASABE, Louisville, KY. (August 2011).


Pate, M., Miller, G., Proceedings of the Western Region American Association for Agricultural Education Conference, "A descriptive interpretive analysis of students’ oral verbalization during the use of think-aloud pair problem solving while troubleshooting," Great Falls, MT. (2010).

Pate, M., Lawver, B. G., Warnick, B. K., Proceedings of the Western Region American Association for Agricultural Education Conference, "Using YouTube® as a Medium for Teaching Self-Reflection," Great Falls, MT. (April 30, 2010).


Pate, M., Operating MIG Welders, "Gas Metal Arc Welding," Iowa State University, Ames, IA. (2008).


CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant
Pate, Michael (Co-Principal), Yoder, Aaron (Principal), Jepsen, Dee (Co-Principal), Murphy, Dennis (Co-Principal), "Establishing the Farm and Ranch eXtension in Safety and Health Community of Practice," $60,000.00. (January 2011 - December 2013).

Pate, Michael, "Mobile Respirator Fit Assessment and Training Program for Farmers and Ranchers," Sponsored by High Plains Intermountain Center for Agricultural Health and Safety, Federal, $10,000.00. (September 2012 - September 2013).

Pate, Michael (Co-Principal), Lawver, Becki G (Principal), "Policies and Procedures that Protect Hired Youth Agriculture Workers: Examining High School Supervised Agricultural Experiences Programs," Sponsored by Marshfield Clinic Research Foundation, Federal, $19,999.00. (September 2012 - September 2013).

Pate, Michael (Principal), Nummer, Brian A (Co-Principal), "Food and Health Safety for Specialty Crop Production Workers – Identifying Microorganisms found on Farm Labors’ Hands during Hand Harvesting of Fruit and Vegetables in Utah.," Sponsored by Utah Agricultural Experiment Station, State, $19,832.00. (June 2011 - July 2013).

Pate, Michael (Principal), "Effects of Agricultural Health and Safety Intervention for At-risk Populations in Utah’s Dairy Industry," Sponsored by Utah Agricultural Experiment Station, State, $6,000.00. (August 2010 - October 2012).


Pate, Michael, "Training to reduce injuries associated with confined spaces in agriculture," Sponsored by High Plains Intermountain Center for Agricultural Health and Safety, Federal, $6,762.00. (October 2011 - September 2012).

Pate, Michael, "Reducing Injuries Associated with Confined Spaces in Agriculture," Sponsored by High Plains Intermountain Center for Agricultural Health and Safety, $12,995.00. (November 1, 2010 - September 14, 2011).

AWARDS AND HONORS

3rd Place Outstanding Innovative Idea Poster, American Association for Agricultural Education. (May 15, 2012).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Refereed Journal Articles

Pate, M. Compact Power Equipment Troubleshooting Training: Formative Assessment using Think-Aloud Pair Problem Solving. NACTA.

Pate, M., Dai, X. Effects of selected predictors on Utah Farm Owner/Operators’ agricultural confined space hazard perceptions. Journal of Agricultural Safety and Health.
Shumway, K., Pate, M. DINÉ (NAVAJO) PARENTS AND COMMUNITY LEADERS PERCEPTIONS OF AGRICULTURAL-RELATED INJURY RISK TO YOUTH: A SOCIAL NARRATIVE. *Journal of Agricultural Safety and Health*.


**RESEARCH IN PROGRESS**

"ASTE Alumni" (Results Obtained)

"Mobile respirator training program" (On-Going)
Program to train Utah farm owner/operators on proper respirator selection and fit.

"Policies and Procedures that Protect Hired Youth Agriculture Workers: Examining High School Supervised Agricultural Experiences Programs" (On-Going)
The proposed project will gather evidence regarding the utilization of supervised agricultural experience (SAE) programs around the United States.

"Navajo Youth agriculture safety" (Results Obtained)
Needs assessment and implementation of training to prevent agriculturally related injuries.

"Occupational Safety for migrant and seasonal farm laborers" (Writing Publication)
Assessing pathogenic bacteria exposure risks to migrant and seasonal farm laborers hand harvesting fruits and vegetables.

"Teacher Self-Efficacy in Agricultural Mechanics" (Planning)

**EXTENSION**

**LIST OF COOPERATIVE EXTENSION PROJECTS:**


**SERVICE**

**General Service**

*College*
Advisor, Honors College, September 2013.
Volunteer for food serving, Ag Day Barbeque, September 2011.
Iowa State University Agricultural Education and Studies Departmental Representative, National Agricultural Education In-service.

Department

Committee Member, ASTE Master of Science Admissions Committee, May 2013.
Advisor, Ag Tech Club, 2010.
Committee Member, FCSE Lecturer Search Committee, January 2012.
Guest Speaker, Internal, Cache County Extension Tractor Safety Training.
Committee Member, ASTE academic advisor search committee, January 2011.
Program Coordinator, AST major catalog curriculum revisions.
Agricultural Education Teacher Education Program.
Site Visit to Westside High School, Dayton, ID.
Concept Developer, Utah State University.
Representative, Iowa South Central District Secondary Agricultural Education Teacher Meeting.
Community Coordinator, Agricultural Education and Studies Department Assistant Learning, 2008.
Representative, Iowa Northwest District Secondary Agricultural Education Teacher Meeting, 2008.
Graduate Student Representative, Agricultural Education and Studies Department Advisory Committee, 2007.
Graduate Student Representative, Agricultural Education and Studies Department Curriculum Committee, 2007.
Committee Member, Agricultural Education and Studies Department Graduate Admissions Committee, 2007.
Committee Member, Agricultural Education and Studies Department Teacher Education Committee, 2007.

Professional/Public

Officer, Secretary, ASABE ED-205 Committee
Vice Chair of Committee, ISASH AG Equipment Transportation and Traffic Issue Committee
Reviewer, Ad Hoc Reviewer, Journal of Agromedicine, Marshfield, WI, USA
Reviewer, Journal Article, Journal Agricultural Safety and Health, St. Joesph, MI, USA
Research Paper Reviewer, Southern Region American Association for Agricultural Educators Conference
Committee Member, ASABE Educational Division ED-205 Engineering Technology & Management Education
Committee Member, ASABE Educational Division ED-206 Agriculture Technology & Management Curriculum Review & Program Recognition

Committee Member, ASABE Ergonomics Safety and Health Division ESH-04 Technology Exchange

Committee Member, NCERA-197 Agricultural Safety and Health Research and Extension

Reviewer, Conference Paper, Western Region American Association for Agricultural Educators Conference

Grant Proposal Reviewer, External, USDA NIFA Rural Health and Education, USA

Research Paper Reviewer, American Association for Agricultural Educators

Research Paper Reviewer, North Central Regional American Association for Agricultural Educators Conference

Supervisor, Utah FFA Agricultural Mechanics Contest Skill Activity

Workshop Organizer, Iowa Agricultural Education Professionals

Assistant Developer, Iowa Association for Agricultural Education

Judge, Iowa’s FFA Agricultural Sales Career Development Event

PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Beard, R. (Committee Chair), Feuz, D. (Committee Member), McNeal, L. (Committee Member), Miller, R. L. (Committee Member), Warnick, B. K. (Committee Member), Deer, H. M. (Ombudsperson).
APPENDIX B

Edward M. Reeve
Utah State University
(435) 797-3642
Email: ed.reeve@usu.edu

EDUCATION

PhD, The Ohio State University, 1986.
Major: Education in Industrial Technology
Supporting Areas of Emphasis: Research: Educational Administration; Cognitive Science
Dissertation Title: Brain Electrical Activity Assessment of Concurrent Music and Event-
Related Potential Cognitive Tasks

MA, The Ohio State University, 1979.
Major: Education in Industrial Technology; Special Education

BS, The Ohio State University, 1978.
Major: Education in Industrial Technology (K-12) and Driver's Education

PROFESSIONAL POSITIONS

Academic - Post Secondary

Professor, Department of Engineering and Technology Education. (2000 - 2030).

Interim Vice Provost for International Education and Coordinator of the USU-CEU Career and
Technical Education Planning Committee, Office of the Executive Vice President and

Assistant to the Office of the Vice Provost for Academic and International Affairs, Utah State


Associate Professor, Utah State University. (1992 - 2000).

Assistant Professor, Utah State University. (1987 - 1992).

PROFESSIONAL MEMBERSHIPS

Council on Technology Teacher Education.

Epsilon Pi Tau - Alpha Chapter.
International Technolog and Engineering Educators Education.

NAFSA: Association of International Educators.


Center to Advance the Teaching of Technology & Science. (1998 - Present).

The Council on Technology Teacher Education. (2010 - 2012).


Council on Technology Teacher Education. (2002 - 2006).


AWARDS AND HONORS


ETE Teacher of the Year, Department of Engineering and Technology Education. (2007).

Fulbright Senior Specialist, J. William Fulbright Scholarship Bureau (FSB), the Bureau of Education and Cultural Affairs of the Department of State (ECA) and the Council for International Exchange of Scholars (CIES). (2007).


Fulbright Senior Specialist, (J. William Fulbright Scholarship Bureau (FSB), the Bureau of Education and Cultural Affairs of the Department of State (ECA) and the Council for International Exchange of Scholars (CIES). (2003).


Technology Education Study Tour in the United Kingdom, Technical Foundation of America. (1999).

Researcher of the Year, Department of Industrial Technology and Education. (1997).

ITE Teacher of the Year, Department of Industrial Technology and Education. (1996).


ITE Teacher of the Year, Department of Industrial Technology and Education. (1992).


ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
ETE 1000, Orientation to Engineering and Technology Education, 3 courses.
ETE 1040, Construction and Estimating, 2 courses.
ETE 2030, Wood-Based Manufacturing Systems, 1 course.
ETE 3050, Computer Systems and Networking, 2 courses.
ETE 5500, Student Teaching Seminar, 2 courses.
ETE 5630, Student Teaching in Secondary Schools, 2 courses.
ETE 6090, Program Design, 1 course.
ETE 6910, Experimental Laboratory, 1 course.
ETE 7500, INTERNATIONAL HE, 1 course.
TEE 1000, Orientation to Technology and Engineering Education, 1 course.
TEE 2030, Wood-Based Manufacturing Systems, 1 course.
TEE 3050, Computer Systems and Networking, 1 course.
TEE 3200, Methods of Teaching Engineering and Technology Education I, 1 course.
TEE 3300, Clinical Experience I, 1 course.
TEE 4300, Clinical Experience II, 1 course.
TEE 4930, Independent Study, 1 course.
TEE 5500, Student Teaching Seminar, 1 course.
TEE 5630, Student Teaching in Secondary Schools, 1 course.
TEE 6910, Experimental Laboratory, 1 course.
TEE 6930, Independent Study, 2 courses.
TEE 6960, Masters Project, 1 course.
TEE 6990, Continuing Graduate Advisement, 1 course.
USU 1010, University Connections, 4 courses.

NON-CREDIT INSTRUCTION

Course, 75 participants. (August 2010).
DIRECTED STUDENT LEARNING

Master's Committee Chair, Agricultural Systems Technology & Education. (January 1, 2013 - Present).
  Advised: Andrew Jackson

Master's Committee Chair, Agricultural Systems Technology & Education. (January 1, 2013 - Present).
  Advised: Kody McDonald

Master's Committee Chair, Agricultural Systems Technology & Education. (January 1, 2013 - Present).
  Advised: Roland Ames

Master's Committee Chair, Agricultural Systems Technology & Education. (January 1, 2013 - Present).
  Advised: Tyson Balls

Doctoral Advisory Committee Member, "Computer Self-Efficacy, COgnitive, and Metacognitive Strategies of High School Students While Engaged in Interactive Learning Modules," Engineering & Technology Education. (September 1, 2012 - Present).
  Advised: Harry Santoso

Major Professor, Engineering & Technology Education. (June 1, 2012 - Present).
  Advised: Craig Milligan

Major Professor, Engineering & Technology Education. (June 1, 2012 - Present).
  Advised: Jay Anderson

Master's Committee Chair, Engineering & Technology Education. (June 2012 - Present).
  Advised: Jeremy Thompson

Master's Committee Member, Agricultural Systems Technology & Education. (June 1, 2012 - Present).
  Advised: Jeemiah Herron

Doctoral Advisory Committee Member, "Emotional Intelligence in Medical Lboratroy Science," School of Teacher Education & Leadership. (January 1, 2012 - Present).
  Advised: Travis Price

Major Professor, Agricultural Systems Technology & Education. (January 1, 2012 - Present).
  Advised: Rob Warcup

Doctoral Advisory Committee Member, Engineering & Technology Education. (August 1, 2011 - Present).
  Advised: Oai Ha

Doctoral Advisory Committee Member, Engineering & Technology Education. (August 1, 2011 - Present).
  Advised: Yongqing Guo
Master's Committee Chair, Engineering & Technology Education. (June 1, 2011 - Present).
  Advised: Rick Peirce

  Advised: Ting Song

Doctoral Advisory Committee Member, "Robotics," School of Teacher Education & Leadership. (August 1, 2010 - Present).
  Advised: Trevor Robinson

Master's Committee Chair, Engineering & Technology Education. (June 1, 2010 - Present).
  Advised: Lynn McMIllen

Master's Committee Member, Engineering & Technology Education. (June 1, 2010 - Present).
  Advised: Kevin Roner

Doctoral Advisory Committee Member, School of Teacher Education & Leadership. (January 1, 2010 - Present).
  Advised: Raymond Boyles

Master's Committee Chair. (January 1, 2010 - Present).
  Advised: Don Saltzman

Master's Committee Chair, Engineering & Technology Education. (January 1, 2010 - Present).
  Advised: Jerry Murrary

Doctoral Advisory Committee Chair. (August 1, 2006 - Present).
  Advised: Keith McMullen

Dissertation Committee Member. (August 1, 2009 - May 3, 2012).
  Advised: Shaobo Huang, Scott Greenhalgh

Doctoral Advisory Committee Member, Engineering & Technology Education. (June 1, 2009 - May 1, 2012).
  Advised: Rod Flanigan

Master's Committee Chair. (August 1, 2009 - May 1, 2011).
  Advised: Matthew Bunnell

Dissertation Committee Member. (2010).
  Advised: Samuel Ray

Master's Committee Chair. (January 1, 2008 - May 1, 2010).
  Advised: Eric Bowen

Master's Committee Member. (June 1, 2007 - May 1, 2010).
  Advised: Andy Swapp
AWARDS AND HONORS

International Professor of the Year, College of Agriculture and Applied Sciences. (August 16, 2013).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

Journal Article, Professional Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Professional Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


PRESENTATIONS GIVEN

Reeve, E. M., Staff Development, "Implementing Science, Technology, Mathematics, and Engineering (STEM) Education in Thailand.,” The Institute for the Promotion of Teaching Science and Technology (IPST), Bangkok, Thailand. (January 9, 2013 - Present).


Reeve, E. M., "Curriculum, Evaluation & Assessment, and Instructional Strategies; Emerging Technology & Trends in Information and Communication Technology; Preparing Globally Competent Students in Science, Technology, Engineering, and Mathematics (STEM).,” Mahidol University, Bangkok Thailand. (May 2012 - Present).


Reeve, E. M., 5th Annual Lecture Series to Honor the 1st Dean of Medical Technology at Mahidol University, "Competency-Based Education for the Improvement of Teaching and Learning," Mahidol University, Bangkok Thailand. (2003).


APPENDIX B


CONTRACTS, GRANTS AND SPONSORED RESEARCH

Contract


Grant

Reeve, Edward M, "Delegate to World Science Forum," Sponsored by Fulbright Academy of Science and Technology, Private, $2,000.00. (November 2011).

Reeve, Edward M, "Conference Co-Chairperson and Keynote Speaker," Sponsored by King Mongkut’s Institute of Technology Ladkrabang, Other, $1,500.00. (May 2011).

Reeve, Edward M (Principal), "Armenian Scholarship Program," Sponsored by Beaumont Foundation, $208,000.00. (August 1, 2007 - June 1, 2010).


Reeve, Edward M (Principal), "Foundations of Technology," Sponsored by Utah Office of Education, $8,750.00. (June 1, 1997 - June 30, 1997).

Reeve, Edward M (Principal), "Foundations of Technology Curriculum Project," Sponsored by Brigerland Applied Technology College, $8,237.25. (June 1, 1995 - June 1, 1996).


AWARDS AND HONORS

Best Oral Presenter Award, Thaksin University, Khonkaen University & Science Education Center, Srinakarinwirot University. (May 11, 2013).

Keynote Speaker, King Mongkut's Institute of Technology Ladkrabang (KMITL). (May 2012).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Refereed Journal Articles


McMullin, K., Reeve, E. M. IDENTIFYING PERCEPTIONS THAT CONTRIBUTE TO THE DEVELOPMENT OF. *Journal of Engineering Education*.

RESEARCH IN PROGRESS

"STEM Education In Thailand" (On-Going)
Developing a plan for implementing the T&E of STEM in Thailand

SERVICE

General Service

College

Chairperson, Curriculum Committee, September 1, 2012.
Committee Member, Promotion & Tenure: Richard Dye, September 1, 2012.
Committee Chair, Promotion Advisory Committee: Stan Martineau, September 1, 2012.
Committee Chair, Promotion Advisory Committee: Gary Stewardson, September 1, 2012.
Committee Chair, Promotion Advisory Committee: Henning Olsen, September 1, 2012.
Committee Chair, Promotion Advisory Committee: Lon Youngberg, September 1, 2012.
Chairperson, Promotion Advisory Committee: Mike Kava, September 1, 2012.
Committee Member, Promotion and Tenure: Jared Berret, September 1, 2012.
Committee Member, Budgets and Faculty Welfare (BFW), 2010.
Committee Member, Education Policies Committee (EPC), 2010.
Committee Chair, EPC Curriculum Sub-Committee, 2010.
Committee Member, Promotion and Tenure: Kevin Heaslip, 2010.
Committee Member, Dean's Full Professor Strategic Planning Committee, 2010.

**Department**

Committee Member, Promotion and Tenure: Lindsey Shirley, September 1, 2012.
Advisor, Technology & Engineering Education Student Club, September 1, 2013.
Committee Member, Graduate Recruitment, 2010.
Committee Member, Promotion and Tenure: Matt Verleger, 2010.
Committee Member, Promotion and Tenure: Oenardi Lawanto, 2010.
Representative, Secondary Education Partner Departments Representative, 2010.

**Other**

**Professional/Public**

Reviewer, Conference Paper, International Technology and Engineering Education Association
Board Member, International Technology and Engineering Education Association, Reston, VA, USA
Officer, President/Elect/Past, Council of Technology Teacher Educators (CTTE)
Co-Chairperson, King Mongkut's Institute of Technology (KMITI), Faculty of Industrial Education, Conference Organizing Committee, Bangkok, Thailand
Guest Speaker, Anubanchonburi School, Chonburi, Thailand
Judge: Student Poster at 11th Annual MGE@MSA/WAESO Student Research Conference, MGA@MSA, Tempe, Arizona, USA
Reviewer of Candidates Wanting Promotion to Professor, Various Universities
Reviewer of Candidates for Fulbright Specialist Program, Council for International Exchange of Scholars (Fulbright)

Praxis Test Reviewer and Item Writer, Education Testing Service (ETS) Princeton, NJ: Technology Education Praxis Test Reviewer and Item Writer

Reviewer, Conference Paper, Technology Education Research Conference, Brisbane, Australia

Judge: Student Poster at 10th Annual MGE@MSA/WAESO Student Research Conference, MGA@MSA, Tempe, Arizona, USA

Lead Program Reviewer, ITEEA/CTTE/NCATE

Co-Chairperson, King Mongkut's Institute of Technology (KMITI), Faculty of Industrial Education, Conference Organizing Committee, Bangkok, Thailand

Board Member, The 2010 Technology Education Research Conference (TERC) Review Board

Co-Chair, King Mongkut's Institute of Technology (KMITI), Faculty of Industrial Education, Conference Organizing Committee

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**Utah State University**

Committee Member, Promotion Advisory Committee: Mike Freeman, January 1, 2013.

Committee Member, Promotion and Tenure: Doug Holton, 2010.

Committee Member, USU-CEU Code Change Review Ad Hoc, 2010.

Committee Member, Fulbright Student Review Panel, 2010.

Committee Member, Post Tenure Review: Scott Hunsaker, 2010.

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**CONSULTING**

Training and Education, The Institute for the Promotion of Teaching Science and Technology (IPST), Bangkok, Thailand. (January 1, 2012 - Present).


Academic, Educational Testing Service (ETS), Princeton, NJ. (January 1, 2008 - Present).

Technical/Professional Work, King Mongkut's Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand. (June 1, 2001 - Present).

Training and Education, Ramkhamhaeng University, Institute of International Studies (IIS - RU), Bangkok, Thailand. (December 1, 2012 - December 31, 2012).

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**AWARDS AND HONORS**

Leadership
APPENDIX B


Service, Professional


Service, University

ETE Advisor of the Year, Department of Engineering and Technology Education. (April 2011).


PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Fang, N. (Committee Chair), Stewardson, G. A. (Committee Member), Reeve, E. M. (Committee Member), McNeill, L. S. (Outside Member), Winstead, C. J. (Outside Member), Smith, B. L. (Ombudsperson).

Other

Reeve, E. M. (Committee Member).

Promotion Committee

Reeve, E. M. (Committee Chair).

Becker, K. (Committee Chair), Chen, A. (Committee Member), Dorward, J. (Committee Member), Reeve, E. M. (Outside Member), Sims, R. C. (Committee Member), Tullis, B. P. (Ombudsperson).

Tenure Review

Barr, P. J. (Committee Chair), Chen, A. (Committee Member), McFarland, M. (Committee Member), Neale, C. M. (Committee Member), Reeve, E. M. (Outside Member), Qi, X. (Ombudsperson).
**EDUCATION**

PhD, Iowa State University, 2007.  
Major: Family and Consumer Sciences Education  
Dissertation Title: Leadership Integrated Curriculum for Junior High Family and Consumer Sciences Students

MEd, University of Minnesota, 2002.  
Major: Family Education

BS, Iowa State University, 2001.  
Major: Family and Consumer Sciences Education and Studies

**PROFESSIONAL POSITIONS**

**Academic - P-12**


**Academic - Post Secondary**

Assistant Professor, University of Idaho. (July 1, 2007 - June 30, 2008).

Lecturer, University of Idaho. (August 15, 2005 - June 30, 2007).

**LICENSURES AND CERTIFICATIONS**


Secondary Teaching License, Family and Consumer Sciences, 5-12, Idaho Department of Education. (June 2002 - 2012).

Secondary Teaching License, Family and Consumer Sciences, 5-12, Minnesota Department of Education. (June 2002 - 2012).

**PROFESSIONAL MEMBERSHIPS**

Association of Career and Technical Education.
Association of Supervision and Curriculum Development.

Family and Consumer Sciences Education Association.

Family, Career, and Community Leaders of America.

National Association of Teacher Educators of Family and Consumer Sciences.

Utah Association of Career and Technical Education.

Utah Association of Family and Consumer Sciences.


ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

**Utah State University**

ASTE 6200, Principles and Practices of Extension Education, 7 courses.
ASTE 6970, Research and Thesis, 1 course.
FCSE 3080, Dress and Humanity, 10 courses.
FCSE 3300, CLINICAL EXPER I, 1 course.
FCSE 3400, FCSE METHODS I, 1 course.
FCSE 3790, Housing and Interior Design Teaching Methods, 4 courses.
FCSE 4250, Advanced Internship, 1 course.
FCSE 4300, Clinical Experience II, 2 courses.
FCSE 4400, FCSE Methods II, 2 courses.
FCSE 5630, Student Teaching in Secondary Schools, 3 courses.
FCSE 6180, Administration and Program Planning, 2 courses.
FCSE 6900, Graduate Independent Study, 1 course.
FCSE 6950, Graduate Internship, 1 course.

DIRECTED STUDENT LEARNING

Major Professor, "Professional Development and Preparation of Extension Faculty," Agricultural Systems Technology & Education.
Advised: Stacy Abbott

Major Professor, Agricultural Systems Technology & Education. (August 2012 - Present).
Advised: Leah Blad

Advised: Sarah Hatch

Major Professor, "Food Environments: What Role Do Demographics Play in Fijian's Decision Making Related to Food Choice and Overall Nutrition Behavior?," Agricultural Systems
Technology & Education. (August 2011 - May 2013).
Advised: Sandra Bradshaw

Advised: Teisha Thompson

Advised: Katelyn Black

Major Professor, "The Use of Family and Consumer Sciences County Extension Faculty to Provide Emergency Preparedness Education in the Western Region of the United States," Agricultural Systems Technology & Education. (August 2010 - December 2012).
Advised: Sara Beck

Major Professor, "A Case Study of Foreclosure Prevention & Housing Counseling Programs in Utah," Agricultural Systems Technology & Education. (August 2012).
Advised: Jennifer Jenkins

Advised: Jaymie Soderman

Advised: Jennifer Kohler

Advised: Liz Hale

Advised: Shanna Haws

Advised: Whitney Carter

Advised: Jen Giddens

Advised: Lindsay Maxfield

Advised: Sandra Bradshaw
Advised: Sarah Geer

Advised: Teisha Thompson

Advised: Chanae Weller

AWARDS AND HONORS

Outstanding Career & Technical Educator Award, Utah Association of Teachers of Family and Consumer Sciences. (June 2012).

Teaching Award of Merit, North American Colleges and Teachers of Agriculture. (May 2012).

Teacher of the Year, School of Applied Sciences, Technology and Education. (April 2012).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

Other Intellectual Contributions

*Fact Sheet-Extension (Published)*

*Fact Sheet-Extension (Published)*
APPENDIX B

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

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Fact Sheet-Extension (Published)
https://extension.usu.edu/htm/publications/publication=14506

Fact Sheet-Extension (Published)
https://extension.usu.edu/htm/publications/publication=14507

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

PRESENTATIONS GIVEN


Shirley, L. (Keynote Address), Kentucky Family and Consumer Sciences Teacher Conference, "Technology and the Family and Consumer Sciences Classroom," Kentucky Association of Family and Consumer Sciences, Kentucky. (July 2013).


Shirley, L. (Invited Lecture), Kansas United Associations Conference, "Clothing and textiles: Using technology to advance a content area (Breakout Session)," Kansas Family and Consumer Sciences Associations (KAFCS, KATFCS, etc), Wichita, Kansas. (March 2013).
Shirley, L. (Keynote Address), Kansas United Associations Conference, "Tools for creating innovative, dynamic, and relevant programs for families of today," Kansas Family and Consumer Sciences Associations (KAFCS, KATFCS, etc), Wichita, Kansas. (March 2013).


Shirley, L. (Presenter & Author), Reality Check, "STARting a Movement through FCCLA," Family, Career and Community Leaders of America, Inc, Orlando, FL. (July 2012).


Shirley, L. (Presenter & Author), Roueche, J. M. (Presenter & Author), Connecting Professionals: Leadership in Action, "Global Perspectives: Using International Clothing


Shirley, L. (Keynote Address), Utah Association of Family and Consumer Sciences Fall Conference, "Food and Fashion," UAFCS, Midway, Utah. (November 2011).


Shirley, L. (Guest Speaker), NASAFACS Conference, "STEM in FCS," National Association of State Administrators of Family and Consumer Sciences, Salt Lake City, Utah. (May 2011).


Shirley, L. (Presenter & Author), Utah 4-H Leadermete, "Rethinking Textiles," Utah 4-H, Provo, Utah. (April 2010).


Shirley, L. (Presenter & Author), Association of Career and Technical Education (Given on my behalf), "Integrating FCCLA into the College Classroom," Nashville, Tennessee. (November 18, 2009).


Shirley, L. (Presenter & Author), Utah Association of Family and Consumer Sciences, "The Art of Living," Tooele, Utah. (October 24, 2009).

Shirley, L. (Presenter & Author), Utah Association of Family and Consumer Sciences, "The Influence of Transportation Quality on the Quality of Life in Small Metropolitan Areas: A Case Study in Logan, Utah," Tooele, Utah. (October 24, 2009).


Shirley, L. (Presenter & Author), Southwest Utah Regional Extension Meeting, "Clothing & Textiles Update," Provo, Utah. (September 29, 2009).

Shirley, L. (Presenter & Author), 4-H State Contest, "4-H Project Redesign," Logan, Utah. (July 14, 2009).
Shirley, L. (Presenter & Author), "Rethinking Textiles: Green Your Gift Giving All Year," Davis County. (July 2, 2009).


Shirley, L. (Presenter & Author), Utah Family and Consumer Sciences Summer Conference, "Integrating FCCLA into the FACS Classroom," Utah State Office of Education, Provo, Utah. (June 16, 2009).


Shirley, L. (Presenter & Author), Northern Utah Regional Extension Meeting, "Clothing & Textiles Update," Kaysville, Utah. (May 12, 2009).

Shirley, L. (Presenter & Author), Southeastern Utah Regional Extension Meeting, "Clothing & Textiles Update," Richfield, Utah. (May 11, 2009).

Shirley, L. (Presenter & Author), Green Building Center Sustainable Living Workshops, "Eco-Friendly Home Textiles," Salt Lake City, Utah. (April 17, 2009).


Shirley, L. (Presenter & Author), 7th Grade Family and Consumer Sciences Students, "Re-Thinking Textiles," Wayne County Junior High School, Utah. (December 11, 2008).

Shirley, L. (Presenter & Author), 8th Grade Family and Consumer Sciences Students, "Re-Thinking Textiles," Wayne County Junior High School, Utah. (December 11, 2008).

Shirley, L. (Presenter & Author), County Residents, "Re-Thinking Textiles: Budget Friendly ideas for the Holidays," Wayne County Extension, Utah. (December 11, 2008).

Shirley, L. (Presenter & Author), Family and Consumer Sciences and Art Students, "Re-Thinking Textiles: Applications for Art and Home," Wayne County High School, Utah. (December 11, 2008).

Shirley, L. (Presenter & Author), Fashion Strategies Class, "Re-Thinking Textiles," Wayne County High School, Utah. (December 11, 2008).


Shirley, L. (Presenter & Author), University of Idaho Ag Days, "FCCLA Leadership Training," Moscow, Idaho. (September 30, 2007).


Shirley, L. (Presenter & Author), Vice Provost of Academic Affairs Assessment Workshops, "Understanding the Basics of Assessment," University of Idaho. (February 1, 2007).

Shirley, L. (Presenter & Author), FCCLA Fall Leadership Training, "FCCLA Leadership Training: War on Hunger," University of Idaho Moscow, Idaho. (October 14, 2006).


Shirley, L. (Presenter & Author), Living Learning Center, University of Idaho, "Hungry? Food Preparation for the College Student," Moscow, Idaho. (April 1, 2006).
Shirley, L. (Presenter & Author), Living Learning Center, University of Idaho, "Hungry? Food Preparation for the College Student," Moscow, Idaho. (January 1, 2006).

Shirley, L. ( Presenter & Author), Gamma Phi Beta Sorority, "The Art of Budgeting," Moscow, Idaho. (November 1, 2005).

CONTRACTS, GRANTS AND SPONSORED RESEARCH

**Grant**


Heaslip, Kevin Patrick (Principal), Chen, Anthony (Co-Principal), Shirley, Lindsey (Co-Principal), "Transportation Network Resiliency Framework Development," Sponsored by Utah Transportation Center, Utah State University, $80,000.00. (September 2010 - August 2011).

Haws, Susan (Principal), Shirley, Lindsey (Co-Principal), Proctor, Debra G (Co-Principal), "A handmade life: experiential learning for everyday living," Sponsored by Utah State University Extension, Utah State University, $5,000.00. (2010).

Shirley, Lindsey, "Traffic Patterns & Quality of Life," Sponsored by Utah Department of Transportation, $10,000.00. (September 1, 2008 - June 30, 2009).


Shirley, Lindsey, "Assessment in the College of Agricultural & Life Sciences," Sponsored by University of Idaho, $5,000.00. (March 1, 2007 - May 1, 2007).


APPENDIX B


Sponsored Research

Heaslip, Kevin Patrick (Principal), Shirley, Lindsey (Co-Principal), "Transportation Correlation to Quality of Life," Sponsored by Utah Transportation Center & USU College of Agriculture, Utah State University, $15,000.00. (January 2009 - September 2009).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Refereed Journal Articles


Journal Articles


Other


EXTENSION

LIST OF COOPERATIVE EXTENSION PROJECTS:

AWARDS AND HONORS

Semi-Finalist, Adobe Design Achievement Award. (April 2011).

SERVICE

General Service

College
Committee Member, Sustainability Curriculum Committee, June 2010.

Professional/Public
Board Member, Family and Consumer Sciences Education Association
Committee Member, National Coalition of Family and Consumer Sciences
Editorial Review Board Member, Journal of Family and Consumer Sciences Education
Board Member, Utah Association of Family and Consumer Sciences
Member, Educator Licensure Assessment Review Advisory Board
Board Member, Utah Family, Career and Community Leaders of America
Board Member, Family, Career, and Community Leaders of America
Officer, President/Elect/Past, Utah Association of Family and Consumer Sciences
Reviewer, Conference Paper, American Association of Family and Consumer Sciences
Member, Boise School District Family and Consumer Sciences Advisory Board
Board Member, Idaho Association of Family and Consumer Sciences
Board Member, Idaho Association of Family and Consumer Sciences
Board Member, Idaho Family, Career and Community Leaders of America
Judge, FCCLA STAR Events

Student Organization
Student Org Advisor (Professional Org), AggieFACS, August 2008.

Utah State University
Committee Member, USU Extension Sustainable Living Initiative, December 2009.
Committee Member, Teacher Education Accreditation Council, January 2009.
Committee Member, Council for Teacher Education, September 2008.
Committee Member, USU-CEU Transition Team Member, December 2009.
Guest Speaker, Internal, New Faculty Orientation Panel, Vice Provost for Faculty Development and Diversity.

AWARDS AND HONORS

Leadership

Leader Award, American Association of Family and Consumer Sciences. (June 25, 2011).

Utah Association of Family and Consumer Sciences Leader Award, Utah Association of Family and Consumer Sciences. (November 5, 2010).

PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Beard, R. (Committee Chair), Kopp, K. (Outside Member), Miller, R. L. (Committee Member), Skogrand, L. M. (Committee Member), Straquadine, G. (Committee Member).
Debra M. Spielmaker  
Utah State University  
(435) 213-5562  
Email: debra.spielmaker@usu.edu

EDUCATION

PhD, Utah State University, 2013.  
Major: Curriculum & Instruction  
Supporting Areas of Emphasis: Instructional Technology  
Dissertation Title: Evaluating the Effectiveness of the Utah Career and Technical  
Introduction Course

MS, Utah State University, 1985.  
Major: Agricultural Education  
Dissertation Title: A comparison of employee demand and job-entry requirements for  
Utah's farm implement industry in 1981 and 1985

BS, Utah State University, 1984.  
Major: Agricultural Education  
Supporting Areas of Emphasis: Plant Science, Political Science

PROFESSIONAL POSITIONS

Academic - P-12

Science and Applied Technology (Agricultural) Educator, Thomas Moore School, Emigrant,  

Academic - Post Secondary

Lecturer, Utah State University. (September 1992 - June 2003).

LICENSURES AND CERTIFICATIONS

Utah Biology Teacher Certification, Utah State Office of Education. (August 1989 - Present).

PROFESSIONAL MEMBERSHIPS

Association for Supervision and Curriculum Development. (August 1, 2004 - December 31,  
2012).


American Association for Agricultural Education. (June 1999 - December 31, 2012).
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National Agriculture in the Classroom Organization. (June 1, 1998 - December 31, 2012).

Utah State Office of Education Science Coordinating Committee Member. (October 1, 1994 - December 31, 2012).

AWARDS AND HONORS

E.G. Peterson Award, Utah State University Extension. (May 2004).

Aggie Blue Pride Light Honoree, Utah State University. (2003).


ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University
ASTE 6400, Food, Land, and People, 2 courses.
EDUC 5560, ST: FOOD LAND, & PEOPLE, 2 courses.
TEAL 5560, Special Topics, 1 course.
TEE 6150, Evaluation and Assessment, 1 course.
TEPD 5560, Special Topics, 4 courses.

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

Journal Article, Academic Journal (Published)


Other Intellectual Contributions

White Paper (Published)

APPENDIX B

PRESENTATIONS GIVEN


Spielmaker, D. (Presenter & Author), National Agriculture in the Classroom Conference, "2009 State Reports," USDA, Baltimore, MD. (June 24, 2010).

Spielmaker, D. (Presenter & Author), National Agriculture in the Classroom Conference, "Preparing Successful Federal Grant Applications," USDA, Baltimore, MD. (June 24, 2010).

Rasmussen, C. L. (Author Only), Spielmaker, D. (Author Only), Warnick, B. K. (Presenter & Author), American Association for Agricultural Education Annual Conference, "Implementing agricultural literacy into the elementary classroom," American Association for Agricultural Education, Louisville, KY. (May 21, 2009).

Rasmussen, C. L. (Author Only), Warnick, B. K. (Presenter & Author), Spielmaker, D. (Presenter & Author), Western Region American Association for Agricultural Education Conference, "Implementing agricultural literacy into the elementary classroom," American Association for Agricultural Education, Lake Tahoe, NV. (April 23, 2009).
MEDIA CONTRIBUTIONS

Radio

Ag Day. (February 1996).

CONTRACTS, GRANTS AND SPONSORED RESEARCH

Contract

Spielmaker, Debra, "Agriculture in the Classroom Excellence Grants (ACE)," Sponsored by USDA, Federal, $575,000.00. (April 1, 2003 - August 30, 2013).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $182,008.00. (July 1, 2012 - June 30, 2013).


Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $178,560.00. (July 1, 2009 - June 30, 2010).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $150,690.00. (July 1, 2008 - June 30, 2009).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $188,049.00. (July 1, 2007 - June 30, 2008).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $138,374.00. (July 1, 2006 - June 30, 2007).
Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $137,933.00. (July 1, 2005 - June 30, 2006).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $132,327.00. (July 1, 2004 - June 30, 2005).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $112,232.00. (July 1, 2003 - June 30, 2004).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $137,440.00. (July 1, 2002 - June 30, 2003).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $134,904.00. (July 1, 2001 - June 30, 2002).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $131,139.00. (July 1, 2000 - June 30, 2001).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $163,460.00. (July 1, 1999 - June 30, 2000).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $43,339.00. (July 1, 1998 - June 30, 1999).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $43,339.00. (July 1, 1997 - June 30, 1998).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $35,996.00. (July 1, 1997 - June 30, 1998).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $24,372.00. (July 1, 1996 - June 30, 1997).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $23,153.00. (July 1, 1995 - June 30, 1996).

Spielmaker, Debra (Principal), "Utah Foundation for Agriculture in the Classroom," Sponsored by Utah Foundation for Agriculture in the Classroom, Private, $21,995.00. (July 1, 1994 - June 30, 1995).
Grant

MacAdam, Jennifer W. (Principal), Norton, Jeanette M. (Co-Principal), Hipps, Larry E. (Co-Principal), Reeve, Jennifer (Co-Principal), Jacobson, Astrid (Co-Principal), Jones, Scott B. (Co-Principal), Creech, J Earl (Co-Principal), Spielmaker, Debra (Co-Principal), Eun, Jong-Su (Co-Principal), Curtis, Kynda (Co-Principal), Stark, John M. (Co-Principal), Dorward, James (Co-Principal), Ma, Zhao (Co-Principal), Thilmany, Dawn (Co-Principal), Conant, Rich (Co-Principal), Paustian, Keith (Co-Principal), van Santen, Edzard (Co-Principal), Johnson, Kris (Co-Principal), "Rapid beef finishing on Birdsfoot Trefoil pastures for sustainable mitigation of climate change," Sponsored by Utah State University Seed Program to Advance Research Collaborations, Utah State University, $35,000.00. (July 1, 2011 - June 30, 2012).


AWARDS AND HONORS

Co-Chair of Agricultural Literacy Standards Summit, United States Department of Agriculture. (February 23, 2011).

Arch of Fame Award, Utah Association of Family and Consumer Science Teachers. (June 17, 2010).

Second Place Conception/Innovation Poster: K-6 Online Course Professional Development, Western Region American Association for Agricultural Education. (April 2010).

Outstanding (First Place) Conception/Innovation Poster: Growing A Nation, Western Region American Association for Agricultural Education. (April 2007).


American Association for the Advancement of Science Website Excellence Award, American Association for the Advancement of Science. (2003).

Extension Merit Increase Award, Utah State University Extension. (2003).

National Agriculture Initiative Award, Agriculture in the Classroom Consortium. (June 1999).

INTELLECTUAL CONTRIBUTIONS IN SUBMISSION

Other

RESEARCH IN PROGRESS

"Evaluating the Effectiveness of the Career & Technical" (Writing Publication)
This quantitative study evaluated the gains and outcomes of the compulsory Career and Technical Education Introduction course. All Utah public school seventh grade students are required to enroll in this school-year course. The matched pair design used pre-existing data to analyze 6,078 pre- and post-survey responses collected at the beginning of the course and again at the end of the course during the 2011-2012 school-year. The evaluation was viewed through a postpositivist lens and employed a theory-based evaluation model as the framework for analysis. The research questions addressed four student variables; career planning, career self-efficacy, career knowledge, and course outcome gains. Gender differences along school counselor relationships were also evaluated as possible predictors on course outcomes.

"National Agriculture in the Classroom Annual Report" (On-Going)
Conduct/collaborate with researchers and their graduate students to establish baseline demographics and study AITC program effectiveness and program initiatives.

EXTENSION

LIST OF COOPERATIVE EXTENSION PROJECTS:

Civil Rights. January 1, 2007 - December 31, 2025
Teacher In-Service & Recognition. January 1, 2007 - December 31, 2025
Development & Distribution of Instructional Resources. October 1, 1994 - December 31, 2025
Student Outreach. October 1, 1994 - December 31, 2025
Agricultural Organization Presentations. January 1, 1994 - December 31, 2025
Pre-service Teacher Training. January 1, 2011 - December 30, 2025

AWARDS AND HONORS

Taggart-Ballard Award of Excellence, Utah State University Extension. (2001).
Taggart-Ballard Award of Excellence, Utah State University Extension. (2000).

SERVICE
General Service

Department

Committee Member, Search Committee Member for Family and Consumer Educator Faculty, January 2012.

Committee Member, Search Committee Member Agricultural Communications Educator, April 2011.

Committee Member, Search Committee for 4-H Science, Engineering, Technology Coordinator, July 2008.

Committee Chair, October 2004.

Committee Member, Extension Youth Issues Team, January 2003.

Program Organizer, Galaxy II Extension Conference, April 2003.

Committee Member, Thanksgiving Point Institute Extension Educator Search Committee, March 2001.

Professional/Public

Committee Member, Enviorthon, Utah, USA

Officer, Secretary, Multi-State Agricultural Literacy Research Committee

Chairperson, Agricultural Literacy Standards Committee, Washington, DC, USA

Mentor, National Agriculture in the Classroom

Western Region Representative, National Agriculture in the Classroom Organization, USA

Committee Member, State Social Studies Textbook Review Committee, USA

Committee Member, Agriculture in the Classroom Strategic Planning Committee, USA

Reviewer, Grant Proposal, USDA Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge (SPECA) Grants, USA

Committee Member, National Agriculture in the Classroom Conference Planning Committee, USA

Committee Member, 5-A-Day for Better Health Committee, Utah, USA

Committee Member, State Science Textbook Review Committee, USA

Committee Chair, Space Agriculture in the Classroom Consortium, USA

Committee Member, State Social Studies Textbook Review Committee, USA

Committee Member, Utah Council on Environmental Education Member, Utah, USA

Committee Member, National Agriculture in the Classroom Conference Planning Committee, USA
Committee Chair, Thanksgiving Point Institute Agricultural Advisory, Lehi, Utah, USA
Chairperson, Animal Use in Classrooms Committee, Utah, USA
Officer, President/Elect/Past, Agriculture in the Classroom Consortium, USA
Committee Member, National Agriculture in the Classroom Conference Planning Committee, USA
Committee Member, Women in Agriculture Conference Planning Committee, Utah, USA
Committee Member, Multi-State Agricultural Literacy Research Committee
Committee Member, Vice Presidents of Extension Advisory Board Member, Utah, USA
Committee Member, United States Department of Agriculture Strategic Planning Committee, USA
Committee Member, Thanksgiving Point Institute Agricultural Advisory, Lehi, Utah, USA
Committee Member, Environmental Education Evaluation Team, Utah, USA
Committee Member, Utah State Office Technical Advisory Council for Vocational Agriculture Education, Utah, USA
Western Region Representative, Agriculture in the Classroom Consortium, USA

Utah State University
Committee Member, Search Committee Member STEM Center Director, October 2011.
Program Coordinator, Global Education Program, July 2011.
Committee Member, STEM Center Development Committee, January 2011.
Committee Member, Presidential Benchmark Tour, February 2001.

CONSULTING


Non-Governmental Organization (NGO), National Agriculture in the Classroom, Logan. (February 1, 2013 - August 1, 2014).

Non-Governmental Organization (NGO), Minnesota Agriculture in the Classroom, Logan. (February 8, 2013 - February 10, 2013).

Government, USDA, Logan, Utah. (September 14, 2010 - September 16, 2010).

Academic, Utah State University, Logan, Utah. (April 2010 - August 2010).

AWARDS AND HONORS

Leadership

Outstanding Food Land and People Program Leadership Award, Food, Land & People Inc. (March 2004).

National Agriculture Initiative Award, Winner, Agriculture in the Classroom Consortium. (2000).

Service, Professional

State FFA Degree. (March 16, 2007).


Service, University

Service to the Industry Award, Dairy Farmers of Utah. (June 2006).

Outstanding Service to Agriculture Award, Cache County Farm Bureau. (March 2004).

Friend of Agriculture Award, Utah Farm Bureau Federation. (July 1999).

President’s Service Award, Utah Association of Conservation Districts. (December 1998).

PROMOTION AND TENURE COMMITTEES

5-Year Post Tenure Review

Straquadine, G. (Committee Chair), Berry, E. H. (Committee Member), Rupp, L. A. (Committee Member), Kesler, K. (Committee Member), McNeal, L. (Committee Member).

Tenure Review

Mesner, N. (Committee Chair), Wurtsbaugh, W. A. (Committee Member), Alston, D. G. (Committee Member), Kuhns, M. R. (Committee Member), Spielmaker, D. (Committee Member).
Denise M. Stewardson
Utah State University
(435) 797-1592
Email: denise.stewardson@usu.edu

EDUCATION

MA, University of Maryland, 1984.
   Major: Industrial Arts Education
   Dissertation Title: Comparison of the Selected Effects of Visual Problem-solving Instruction on Visual Perception: Perceptual Principles Versus the Elements of Design

BS, Eastern Illinois University, 1982.
   Major: Technology Education
   Supporting Areas of Emphasis: Communication Technology

PROFESSIONAL POSITIONS

Academic - Post Secondary

Outreach Coordinator, Utah Agriculture in the Classroom. (August 1, 2005 - June 30, 2009).

Lecturer, Engineering & Technology Education Dept., USU. (September 2002 - August 2005).

Other

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

ASTE,ETE 3440, Science, Technology, and Modern Society, 6 courses.
ASTE,TEE 3440, Science, Technology, and Modern Society, 2 courses.
ASTE 2900, Humanity in the Food Web, 3 courses.
ASTE 3050, Technical and Professional Communication Principles in Agriculture, 14 courses.
ASTE 3440, Science, Technology, and Modern Society, 3 courses.
ETE 3440, SCI/TECH/MOD SOCIETY (DSC), 2 courses.
USU 1010, University Connections, 4 courses.

AWARDS AND HONORS
Exemplary Online Course, Regional Campuses and Distance Education, USU. (December 2011).

SERVICE

General Service

Department
  Committee Member, ASTE Department Search Committee, January 2012.

Student Organization
  Advisor, Agricultural Communicators of Tomorrow, August 2009.

Utah State University
  Committee Member, Connections Faculty Advisory Committee, September 2011.
  Committee Member, ASTE Department Search Committee, April 2011.
  Program Organizer, FFA.
Gary A. Stewardson  
Utah State University  
(435) 797-1802  
Email: gary.stewardson@usu.edu

EDUCATION

PhD, University of Maryland, 1987.  
Major: Industrial Arts Education  
Supporting Areas of Emphasis: History (Technology and Labor), Computer Instruction

MS, Eastern Illinois University, 1980.  
Major: Technology Education  
Supporting Areas of Emphasis: Production Technology

BS, Illinois State University, 1976.  
Major: Industrial Education  
Supporting Areas of Emphasis: Metals, Graphics, Power Mechanics

PROFESSIONAL POSITIONS

Academic - Post Secondary

Associate Professor, Utah State University. (1989 - 2012).

PROFESSIONAL MEMBERSHIPS

Council on Technology Teacher Education.

Epsilon Pi Tau, Honorary Professional Fraternity, Iota Chapter.

International Technology and Engineering Educators Association.

ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

ASTE, TEE 3440, Science, Technology, and Modern Society, 2 courses.  
ENGR 1000, Introduction to Engineering Design, 2 courses.  
ETE 1030, Material Processing Systems, 2 courses.  
ETE 4300, Clinical Experience II, 2 courses.  
ETE 4400, Methods of Teaching Engineering and Technology Education II, 2 courses.
ETE 5900, Workshop in Engineering and Technology Education, 1 course.
ETE 6100, Contemporary Issues, 1 course.
ETE 6150, Evaluation and Assessment, 1 course.
ETE 7230, Foundations of Engineering and Technology Education, 1 course.
ETE 7400, Occupational Analysis and Curriculum Development, 1 course.
TEE 1030, Material Processing Systems, 2 courses.
TEE 6150, Evaluation and Assessment, 1 course.

NON-CREDIT INSTRUCTION

Workshop, 30 participants. (July 31, 2012 - August 2, 2012).
Workshop, 30 participants. (July 6, 2011 - July 8, 2011).
Workshop, 10 participants. (March 26, 2009).
Workshop, 10 participants. (February 21, 2008).
Course. (June 1995 - July 1995).
Course. (July 5, 1994 - July 15, 1994).
Workshop. (June 27, 1994 - July 1, 1994).
Course. (June 20, 1994 - June 27, 1994).
Workshop. (July 9, 1990).

DIRECTED STUDENT LEARNING

Major Professor, Engineering & Technology Education.
Advised: Bryan Rudes

Major Professor, Engineering & Technology Education.
Advised: Karen Albiston

Doctoral Advisory Committee Member, Biological Engineering. (September 2011 - Present).
Advised: Andrew Deceuster

Master's Committee Chair, Engineering & Technology Education. (August 2011 - Present).
Advised: Jerry Murray
Master's Committee Chair, Engineering & Technology Education. (August 2011 - Present).
Advised: Paul Masimer

Master's Committee Member, Engineering & Technology Education. (August 2011 - Present).
Advised: Jeremiah Herron

Master's Committee Member, Engineering & Technology Education. (August 2011 - Present).
Advised: Lynn McMillen

Dissertation Committee Chair, Agricultural Systems Technology & Education. (August 2010 - Present).
Advised: Trevor Robinson

Doctoral Advisory Committee Chair, Agricultural Systems Technology & Education. (January 2010 - Present).
Advised: Raymond Boyles

Doctoral Advisory Committee Chair, Agricultural Systems Technology & Education. (2009 - Present).
Advised: Stephen Williams

Doctoral Advisory Committee Member, School of Teacher Education & Leadership. (July 2007 - March 2013).
Advised: Keith McMullin

Doctoral Advisory Committee Chair, "An Examination of the Effects of Transformational and Transactional Leadership Styles on Branch-Level Success of Industrial Distribution Companies," Engineering & Technology Education. (July 2009 - April 2012).
Advised: Rod Flanigan

Master's Committee Member, "Wind Power Technology," Engineering & Technology Education. (2011).
Advised: Andrew Swapp

Doctoral Advisory Committee Chair, "Measuring the Differences in Spatial Ability Between a Face-to-face and a Synchronous Distance Education Undergraduate Engineering Graphics Course," Engineering & Technology Education. (October 2010 - November 2011).
Advised: Scott Greenhalgh

Advised: Aaron Dyches

Major Professor, Engineering & Technology Education. (2010).
Advised: Eric Bowen

Major Professor, Engineering & Technology Education. (2010).
Advised: John Krusi

Major Professor, "Development of a Secondary School Curriculum for Competitive VEX Robotic Teams Meeting in Formal and Informal Learning Environments," Engineering &
Technology Education. (July 2009 - December 2010).
Advised: Trevor Robinson

Master's Committee Chair, "An Experimental Comparison of Middle School Students' Motivation and Preference Toward Text- and Graphic-Based Programming," Engineering & Technology Education. (2009).
Advised: Stephen Williams

AWARDS AND HONORS

Teacher of the Year, Department of Industrial Technology and Education, Utah State University. (2004).

Teacher of the Year, Department of Industrial Technology and Education, USU. (1999).

Outstanding Professor of Industrial Technology Award, Region V, National Association of Industrial Technology. (1995).


RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)


Journal Article, Academic Journal (Published)

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*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*


*Journal Article, Academic Journal (Published)*

**Conference Proceedings**

*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


**PRESENTATIONS GIVEN**


CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant

Fang, Ning (Principal), Stewardson, Gary A (Co-Principal), "Integrating Computer Simulations and Hands-On Real-World Experimentations to Improve Undergraduate Manufacturing Engineering Education," Sponsored by National Science Foundation (CCLI program), $130,692.00. (February 2006 - January 2011).

Stewardson, Gary A (Principal), "Design and Commercialization of a Bowfishing Reel," Sponsored by Utah, Centers of Excellence & Cajun Archery, $37,500.00.

Stewardson, Gary A (Principal), "Collaborative Research: Experimental and Numerical Investigation and Improved Modeling of the Cutting Edge Contribution in Metal Cutting," Sponsored by National Science Foundation, $133,789.00. (September 1, 2006 - August 31, 2010).

Stewardson, Gary A (Principal), Li, Leijun (Co-Principal), "Product and Tooling Design, Prototyping, and Fabrication for Batch Manufacture," Sponsored by Cajun Archery, Local, $22,682.38. (July 1, 2009 - June 30, 2010).

Stewardson, Gary A (Principal), "Electric Vehicle Curriculum Development Project for Engineering and Technology Education Programs at Grades 9-12," Sponsored by Huntsman Environmental Research Center, $12,500.00. (June 2008 - July 2009).

Stewardson, Gary A (Principal), "Biodiesel Curriculum Development Project for Engineering and Technology Education Programs at Grades 9-12," Sponsored by Huntsman Environmental Research Center, $28,500.00. (January 2008 - July 2009).

Stewardson, Gary A (Principal), "Curriculum and Hardware Development for the Laboratory Component for ENGR 1000," Sponsored by Marriner S. Eccles Foundation, $8,000.00. (August 2006 - August 2007).

Stewardson, Gary A (Principal), "The Development of Two High School Courses in Engineering and Technology Education," Sponsored by Utah Office of Education, $20,000.00. (February 1, 2005 - June 30, 2006).


Sponsored Research

Stewardson, Gary A, "Design Academy - STEM education for high school & middle school students," Sponsored by Tuition from parents, Tournament Registration, Rocky Mountain NASA Space Grant Consortium (1/2 time graduate & undergraduate student), $14,338.00. (2010).

SERVICE

General Service

College

University Senate Service, USU Faculty Senate, 2010.

Ombudsperson, Anhong Zhou's P&T Committee, 2006.

Ombudsperson, Wei Ren's P&T Committee, 2006.

Department

Committee Chair, Substitution and Waver Committee, 2010.

Committee Member, Tenure and Promotion Committee, Matthew Verleger, 2010.

Committee Member, Tenure and Promotion Committee, Oenardi Lawanto, 2007.

Professional/Public
Task Force Member, ITEA Task Force Committee: 3.2/TIDE Education, International Technology Education Association

Committee Member, Engineering and Technology Education Advisory Committee, Logan, UT, USA

Member, Pre-Engineering Curriculum Development Team

Program Coordinator, Engineering State Ping Pong Ball Shuffle session

Guest Speaker, Technology Student Association (TSA)

Program Organizer, VEX Robotics Tournament at the Utah Technology and Engineering Educator's June Conference

Program Organizer, Design Academy

Judge and Facilitator, Technology Student Association (TSA) VEX Robotic Competition, Sandy, UT, USA

Host, USU VEX Regional Competition

Representative, Utah State University, Baltimore, MD, USA

Representative for the Department of Engineering and Technology Education, Council on Teacher Education, College of Education, USU, Logan, UT, USA

Co-Chair, The 2005 Annual American Society for Engineering Education Rocky Mountain Section (ASEE/RMS) Conference, Logan, UT, USA

Committee Member, 2003-04 Elections Committee; International Technology Education Association, Reston, VA, USA

Representative for the College of Engineering, Compact Planning and Selective Investment Advisory Committee, Utah State University, Logan, UT, USA

Local Exhibits Liaison, ITEA 62nd Annual Conference Local Planning Committee; International Technology Education Conference, Salt Lake City, UT, USA

Member, Management team to promote the study of technology as a core subject, International Technology Education Association

Member, Planning Team: “Super Mileage Challenge,” sponsored by the Department of Industrial Technology and Education, Logan, UT, USA

Working Member and Representative for the Council on Technology Teacher Education and the International Technology Education Association, NCATE's New Professional Teacher Standards Development Project

Co-Chair/Member, Graduate Studies Committee, Council on Technology Teacher Education

Committee Member, Professional Development Committee, International Technology Education Association

Committee Member, Steering committee for the Foundations of Technology High School Curriculum
Coordinator, Special Interest Sessions; 53rd Annual International Technology Education Conference, Salt Lake City, UT, USA

Committee Member, Committee to develop new ideas for Technology Education tests, Salt Lake City, UT, USA

Member, Northwest Accreditation Team, Sandy, UT, USA

Student Organization

Student Org Advisor (Professional Org), USU VEX robotic team, 2008.


Utah State University


Committee Member, InTech Collegiate High School Board of Governors, 2010.

Committee Member, University Council on Teacher Education, 2010.

CONSULTING

Kennecott Utah Copper Corporation, Magna, UT. (November 8, 2002 - December 4, 2002).

Kennecott Utah Copper Corporation, Magna, UT. (October 22, 2001 - December 19, 2001).

Kennecott Utah Copper Corporation, Magna, UT. (September 25, 2001 - September 29, 2001).

Kennecott Utah Copper Corporation, Magna, UT. (May 24, 2001 - June 26, 2001).


Piast Mine, Bierun, Poland. (November 1, 1999 - November 20, 1999).

Katowice, Poland. (September 17, 1999 - September 25, 1999).


Seagull, Ltd., Vana, Bulgaria. (September 5, 1997 - September 19, 1997).

AWARDS AND HONORS

Leadership

Advisor of the Year, College of Engineering and Department of Engineering and Technology Education, USU. (2011).

Advisor of the Year, College of Engineering and Department of Engineering and Technology Education, USU. (2006).

Club Advisor of the Year, Utah State University from the Council of Student Clubs and Organizations (CSCO). (2006).

Advisor of the Year, Department of Industrial Technology and Education, USU. (1997).


PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Stewardson, G. A. (Outside Member).

Fang, N. (Committee Chair), Stewardson, G. A. (Committee Member), Reeve, E. M. (Committee Member), McNeill, L. S. (Outside Member), Winstead, C. J. (Outside Member), Smith, B. L. (Ombudsperson).

Other

Stewardson, G. A. (Outside Member).
Brian K. Warnick  
Utah State University  
(435) 797-0378  
Email: brian.warnick@usu.edu

EDUCATION

PhD, Oregon State University, 2004.  
Major: Education  
Supporting Areas of Emphasis: Agricultural Education, Science Education  
Dissertation Title: The First Year of Teaching Agricultural Education: A National Study

MS, Utah State University, 1998.  
Major: Agricultural Systems Technology  
Supporting Areas of Emphasis: Secondary and Postsecondary Agricultural Education  
Dissertation Title: The Effects of Using Agricultural Applications in Teaching High School Biology on Student Achievement as Measured by a State Core Competency Test

BS, Utah State University, 1994.  
Major: Secondary Education-Biology; Special Education

PROFESSIONAL POSITIONS

**Academic - P-12**


**Academic - Post Secondary**

Instructor of agricultural education, Oregon State University. (September 2001 - June 2004).

LICENSURES AND CERTIFICATIONS

Professional Educator License, Utah State Board of Education. (June 1, 1994 - June 30, 2013).

PROFESSIONAL MEMBERSHIPS

Association for Supervision and Curriculum Development. (2008 - Present).  
Academy for Career and Technical Teacher Education. (2005 - Present).  
Association for Career and Technical Education Research. (2005 - Present).
Utah Association for Career and Technical Education. (2004 - Present).

Utah Association of Agricultural Educators. (2004 - Present).

American Association for Agricultural Education. (2002 - Present).


Association for Career and Technical Education. (1995 - Present).


ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

ASTE 3240, Teaching in Laboratory Settings, 3 courses.
ASTE 3300, Clinical Experience in Agricultural Education, 3 courses.
ASTE 3900, Special Problems in Agricultural Systems Technology and Education, 1 course.
ASTE 4150, Methods of Teaching Agriculture, 3 courses.
ASTE 5500, Agricultural Education Secondary Curriculum Seminar, 3 courses.
ASTE 5550, Continuing Education in Agricultural Education, 2 courses.
ASTE 5630, Agricultural Education Student Teaching in Secondary Schools, 5 courses.
ASTE 6450, Graduate Topics in Agricultural Education, 1 course.
ASTE 6970, Research and Thesis, 2 courses.
ASTE 7500, Diffusion of Innovations, 1 course.
FCSE 6140, Evaluation and Ethics of Research in Education and Extension, 9 courses.
FCSE 6300, ADVANCED TEACHING STRATEGIES, 7 courses.
USU 1010, University Connections, 3 courses.
USU 1350, Integrated Life Science, 6 courses.

NON-CREDIT INSTRUCTION

Certification, 60 participants. (February 3, 2012 - October 18, 2012).

Certification, 60 participants. (January 14, 2011 - October 20, 2011).

DIRECTED STUDENT LEARNING

Doctoral Advisory Committee Member, "EVALUATING THE EFFECTIVENESS OF THE UTAH CAREER AND TECHNICAL EDUCATION INTRODUCTION COURSE," School of Teacher Education & Leadership. (November 28, 2012 - Present).

Advised: Debra Spielmaker
Dissertation Committee Member, School of Teacher Education & Leadership. (August 2012 - Present).
   Advised: Trevor Robinson

Master's Committee Chair, "EFFECTS OF INTEGRATING MATHEMATICAL CONCEPTS INTO AN ANIMAL SCIENCE CURRICULUM," Agricultural Systems Technology & Education. (August 1, 2012 - Present).
   Advised: Andrea Clark

Master's Committee Member, Engineering & Technology Education. (August 2012 - Present).
   Advised: Jeremy Thompson

Master's Committee Member, Engineering & Technology Education. (August 2012 - Present).
   Advised: Joe Porter

Master's Committee Member, Engineering & Technology Education. (August 2012 - Present).
   Advised: Kevin Roner

Master's Committee Member, Agricultural Systems Technology & Education. (August 2012 - Present).
   Advised: Leah Rich

Master's Committee Member, Engineering & Technology Education. (August 2012 - Present).
   Advised: Rick Peirce

Master's Committee Chair, Agricultural Systems Technology & Education. (June 2012 - Present).
   Advised: Kathleen Nuttall

Master's Committee Member, Agricultural Systems Technology & Education. (June 2012 - Present).
   Advised: Elisa Freeman

Master's Committee Member, Agricultural Systems Technology & Education. (June 2012 - Present).
   Advised: Kristina Gowans

Master's Committee Member, "ASSESSING THE IMPACT OF SEQUENCING LABORATORY WELDING PRACTICUMS," Agricultural Systems Technology & Education. (June 2012 - Present).
   Advised: Malcolm Rose

Dissertation Committee Member, "Overcoming Misconceptions in Religious Education: The Effects of Text Structure and Topic Interest on Conceptual Change," School of Teacher Education & Leadership. (January 2012 - Present).
   Advised: Seth King

Master's Committee Chair, Agricultural Systems Technology & Education. (January 2012 - Present).
   Advised: David Shaffer
Master's Committee Member, Agricultural Systems Technology & Education. (January 2012 - Present).
Advised: Kathleen Fortune

Master's Committee Member, "FOOD ENVIRONMENTS: WHAT ROLE DO DEMOGRAPHICS PLAY IN FIJIAN’S DECISION MAKING RELATED TO FOOD CHOICE AND OVERALL NUTRITION BEHAVIOR?,” Agricultural Systems Technology & Education. (January 2012 - Present).
Advised: Sandra Bradshaw

Dissertation Committee Chair, School of Teacher Education & Leadership. (August 2011 - Present).
Advised: Andrew Shayne Larsen

Master's Committee Chair, Agricultural Systems Technology & Education. (August 2011 - Present).
Advised: Coby Champneys

Master's Committee Member, Agricultural Systems Technology & Education. (August 2011 - Present).
Advised: Jennifer Jenkins

Master's Committee Member, "Needs Assessment for Promoting Livestock and Equine Safety for Dine' Youth," Agricultural Systems Technology & Education. (August 2011 - Present).
Advised: Karah Shumway

Master's Committee Chair, "PERCEPTIONS OF AGRICULTURAL EDUCATION INSTRUCTORS REGARDING A VETERINARY SCIENCE CAREER DEVELOPMENT EVENT," Agricultural Systems Technology & Education. (June 2011 - Present).
Advised: Melisa Griffith

Dissertation Committee Member, "Parental Perceptions of the Influence of Digital Media and Technology on Student Reading Habits at Home," School of Teacher Education & Leadership. (January 2011 - Present).
Advised: Kurt Johnson

Master's Committee Chair, "RELATIONAL CHALLENGES WITHIN FAMILY RANCHING OPERATIONS," Agricultural Systems Technology & Education. (August 2010 - Present).
Advised: Sheldonna Zwicker-Ives

Dissertation Committee Member, "Finance and Couple Relations," Family, Consumer, & Human Development. (January 2010 - Present).
Advised: Robert Stewart

Advised: Trace Hansen

Dissertation Committee Member, "Student Engagement in LDS Seminaries," School of Teacher Education & Leadership. (May 2011 - December 2012).
Advised: Thomas Aardema
Master's Committee Member, "THE USE OF FAMILY AND CONSUMER SCIENCES COUNTY EXTENSION FACULTY TO PROVIDE EMERGENCY PREPAREDNESS EDUCATION IN THE WESTERN REGION OF THE UNITED STATES," Agricultural Systems Technology & Education. (January 2011 - November 26, 2012).
Advised: Sara Beck

Master's Committee Member, "FACTORS THAT INFLUENCE SECONDARY STUDENTS TO JOIN THE COLLEGIATE FFA," Agricultural Systems Technology & Education. (August 2010 - November 12, 2012).
Advised: Sara Vandenbos

Master's Committee Member, "COPING MECHANISMS AND LEVEL OF OCCUPATIONAL STRESS AMONG AGRICULTURE TEACHERS AND OTHER TEACHING POPULATIONS," Agricultural Systems Technology & Education. (August 2011 - July 2012).
Advised: Kasee Smith

Master's Committee Member, Agricultural Systems Technology & Education. (August 2010 - May 2012).
Advised: Megan Haslam

AWARDS AND HONORS

2012 Teacher of the Year/Eldon J. Gardner Teaching Award, Utah State University. (April 21, 2012).

2011 Teacher of the Year, College of Agriculture, Utah State University. (September 15, 2011).

NACADA Certificate of Merit for Outstanding Faculty Advising. (September 30, 2009).

NACTA Teacher Fellow. (June 19, 2009).

Utah State University Robin's Awards Faculty Advisor of the Year. (April 19, 2008).

College of Agriculture Faculty Advisor of the Year. (September 27, 2007).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

*Journal Article, Academic Journal (Published)*

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Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Conference Proceedings

Conference Proceeding (Published)
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*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


*Conference Proceeding (Published)*


D:\papers\Warnick, Thompson.pdf

PRESENTATIONS GIVEN


Pate, M., Lawver, B. G., Warnick, B. K., Proceedings of the Western Region American Association for Agricultural Education Conference, "Using YouTube® as a Medium for Teaching Self-Reflection," Great Falls, MT. (April 30, 2010).


Rasmussen, C. L. (Author Only), Spielmaker, D. (Author Only), Warnick, B. K. (Presenter & Author), American Association for Agricultural Education Annual Conference, "Implementing agricultural literacy into the elementary classroom," American Association for Agricultural Education, Louisville, KY. (May 21, 2009).

Rasmussen, C. L. (Author Only), Warnick, B. K. (Presenter & Author), Spielmaker, D. (Presenter & Author), Western Region American Association for Agricultural Education Conference,, "Implementing agricultural literacy into the elementary classroom," American Association for Agricultural Education, Lake Tahoe, NV. (April 23, 2009).

Spackman, T. (Presenter & Author), Warnick, B. K. (Presenter & Author), Annual Utah State University Advising Conference, "Team Advising: Addressing the Needs of Students through Collaboration between Professional and Faculty Advisors," Logan, UT. (August 12, 2008).

Rasmussen, C. L. (Presenter & Author), Spielmaker, D. (Author Only), Warnick, B. K. (Author Only), North American Colleges and Teachers of Agriculture Annual Conference, "Implementing Agricultural Literacy into the Elementary Classroom," NACTA, Logan, Utah. (June 12, 2008).

Warnick, B. K. (Presenter & Author), Utah Association of Agricultural Educators Fall Teacher Inservice Meeting, "Biology-Agricultural Science Curriculum Professional Development," Salt Lake City, UT. (October 30, 2007).

Rasmussen, C. L. (Presenter & Author), Warnick, B. K. (Author Only), Miller, R. L. (Author Only), 25th Annual Conference, "Using a contextual learning model to teach science,"
APPENDIX B

Northern Rocky Mountain Educational Research Association, Jackson, WY. (October 4, 2007).

Townsend, C. D. (Author Only), Warnick, B. K. (Presenter & Author), Western Region Teaching Symposium, "Raising questions: Integration of critical thinking into educational goals," Tucson, AZ. (September 26, 2007).


Rasmussen, C. L. (Presenter & Author), Warnick, B. K. (Author Only), Miller, R. L. (Author Only), 53rd Annual NACTA Conference, "Changes in student perceptions of agriculture and life science during a general education life science course.," North American Colleges and Teachers of Agriculture, Champaign, IL. (June 13, 2007).


Giffing, M. D. (Presenter & Author), Warnick, B. K. (Presenter & Author), Utah Association of Career and Technical Education, Utah Association of Agricultural Educators Division Annual Conference, "Life Knowledge Workshop: Successfully integrating Life Knowledge," Utah Association of Agricultural Educators, St. George, UT. (February 24, 2007).

Warnick, B. K. (Presenter & Author), Utah Association of Agricultural Educators Fall Teacher Inservice Meeting, "Life Knowledge Workshop: What Life Knowledge is and what it isn't," Provo, UT. (October 12, 2006).

Straquadine, G. (Presenter & Author), Warnick, B. K. (Presenter & Author), Western Region Teaching Symposium, "Andragogy – Applications for higher education," Logan, UT. (September 25, 2006).

Warnick, B. K. (Presenter & Author), Tarpley, R. S. (Presenter & Author), Western Region Teaching Symposium, "Lessons college of agriculture faculty can learn in reaching out to secondary education.," Logan, UT. (September 25, 2006).

Miller, R. L. (Presenter & Author), Warnick, B. K. (Presenter & Author), Western Region Teaching Symposium, "Teaching agriculture through a general education life science course for non-majors.," Logan, UT. (September 25, 2006).

Warnick, B. K. (Presenter & Author), Summer Agriculture Teacher Conference, "USU Curriculum Inservice - Horticulture," Utah Association of Agricultural Educators, Richfield, UT. (June 20, 2006).
Warnick, B. K. (Presenter & Author), Summer Agriculture Teacher Conference, "Teaching Integrated Pest Management," Utah Association of Agricultural Educators, Richfield, UT. (June 19, 2006).

Miller, R. L. (Presenter & Author), Warnick, B. K. (Author Only), 52nd Annual NACTA Conference, "Teaching agriculture through a general education life science course for non-majors," North American Colleges and Teachers of Agriculture, Vancouver, BC. (June 18, 2006).

**CONTRACTS, GRANTS AND SPONSORED RESEARCH**

**Grant**


Lawver, Becki G (Principal), Warnick, Brian K. (Co-Principal), "Living 2 Serve Grant," Sponsored by Utah FFA Association - National FFA and USDA, State, $7,000.00. (May 1, 2010 - July 31, 2010).

Warnick, Brian K. (Principal), "Agriculture Teacher Induction Program," Sponsored by Utah State Office of Education, $7,000.00. (December 1, 2009 - June 30, 2010).


Warnick, Brian K. (Principal), "Community/University Research Initiative (CURI) Grant: Impact of School-based agricultural entrepren," Sponsored by tah State University College of Agriculture / Agricultural Systems Technolo, $18,000.00. (May 1, 2007 - June 30, 2008).


Warnick, Brian K. (Principal), "New Faculty Research Grant: Collaboration between secondary science and agriculture teachers," Sponsored by Utah State University and USU College of Agriculture, $14,539.00. (July 1, 2005 - June 30, 2006).


Warnick, Brian K. (Co-Principal), "National Teacher Induction Project," Sponsored by National FFA Organization, $1,000.00. (September 1, 2004 - June 1, 2005).

Warnick, Brian K. (Co-Principal), Tarpley, Rudy S (Principal), "Teacher In-service and Development," Sponsored by Bridgerland Applied Technology College, $2,000.00. (September 1, 2004 - October 31, 2004).

AWARDS AND HONORS

Outstanding Early Career Member Award, American Association for Agricultural Education. (May 27, 2011).


2nd Place Outstanding Research Poster Presentation. (April 24, 2009).

3rd place 2006 Western Region AAAE Outstanding Research Presentation. (April 20, 2006).

1st place 2005 Western Region AAAE Outstanding Research Presentation. (April 20, 2005).

RESEARCH IN PROGRESS

"Veteran Agriculture Teacher Study" (Writing Publication)
This Delphi study is a collaboration between several researchers throughout the United States to determine reasons why veteran teachers have remained in the profession and to determine their perceptions regarding the characteristics of successful agriculture teachers.
"Perceptions of state supervisors of agricultural education concerning the integration of science into agricultural education" (Writing Publication)

SERVICE

General Service

College

Committee Member, Sterling Bone Promotion and Tenure Committee, September 2012.
Committee Member, Carlos Licon Promotion and Tenure Committee, August 5, 2011.
Committee Member, Susan Turner Promotion and Tenure Committee, January 27, 2011.
Committee Member, Graduation Committee, October 2004.
Committee Member, College of Agriculture Curriculum Committee, May 2011.
Chairperson, Sustainability Curriculum Committee, January 1, 2010.

Department

Committee Member, Jared Berrett Tenure and Promotion Committee, October 2012.
Committee Chair, Kelsey Hall Promotion and Tenure Committee, December 13, 2011.
Committee Member, Michael Pate Tenure and Promotion Committee, March 2010.
Committee Chair, Rebecca Lawver Tenure and Promotion Committee, March 2010.
Committee Member, Graduate Program Curriculum Committee, October 2004.
Committee Member, Utah Agriculture in the Classroom position search committee, November 2010.
Committee Chair, Royce Hatch Promotion Committee, February 2010.
Committee Chair, Agricultural Education Position Search Committee, September 2009.
Committee Member, Agricultural Systems Technology Position Search Committee, March 2009.
Committee Member, Social Committee, September 2004.
Committee Member, Career and Technical Education Position Search Committee, October 2007.
Committee Chair, Family and Consumer Sciences Position Search Committee, October 2005.

Professional/Public

Officer, President/Elect/Past, Western Region American Association for Agricultural Education

Committee Chair, Western Agriculture Experiment Station W1006 Agricultural Literacy Research Project
Editor, Associate Editor, Journal of Agricultural Education

Editor, Conference Proceedings, American Association for Agricultural Education 2012 National Research Conference

Chairperson, Journal of Agricultural Education Editing Managing Board

Reviewer, Conference Paper, AAAE North Central Research Conference

Editor, Conference Proceedings, American Association for Agricultural Education 2011 National Research Conference

Host, Utah FFA Association Poultry Evaluation Career Development Event, Logan, UT, USA

Reviewer, Conference Paper, National Agricultural Education Research Conference

Host, Utah FFA Association Parliamentary Procedure Career Development Event, Logan, UT, USA

Officer, Secretary, Journal of Agricultural Education Editing Managing Board

Reviewer, Conference Paper, AAAE North Central Research Conference

Officer, Secretary, Western Region American Association for Agricultural Education

Board Member, Journal of Agricultural Education Editing-Managing Board

Chairperson, AAAE Professional Development Standing Committee

Chairperson, AAAE Teacher Professional Development Special Interest Group

Grant Proposal Reviewer, External, USDA, Agriculture in the Classroom Enrichment (ACE) Grants

Grant Proposal Reviewer, External, USDA, Agriculture in the Classroom Enrichment (ACE) Grants

Grant Proposal Reviewer, External, USDA, Agriculture in the Classroom Enrichment (ACE) Grants

Student Organization

Advisor, Alpha Tau Alpha, August 2004.

Utah State University

Committee Member, Council on Teacher Education, August 2011.

Chairperson, Department Teaching Excellence Award Selection Committee, September 2012.

Committee Member, Educational Policies Committee, May 2011.


Alternate Member, Faculty Senate, August 2006.

Committee Member, Council on Teacher Education, August 2005.
PROMOTION AND TENURE COMMITTEES

3-Year Pre Tenure Review

Beard, R. (Committee Chair), Feuz, D. (Committee Member), McNeal, L. (Committee Member),
Miller, R. L. (Committee Member), Warnick, B. K. (Committee Member), Deer, H. M.
(Ombudsperson).

Warnick, B. K. (Committee Chair).

Other

Warnick, B. K. (Committee Member).

Waite, P. (Committee Chair), Warnick, B. K. (Committee Member), Stafford, E. R. (Committee
Member), Bell, D. L. (Committee Member), Coppock, L. D. (Committee Member),
MacAdam, J. W. (Ombudsperson).
EDUCATION

MS, Utah State University, 1981.
   Major: Home Economics Education

BS, Utah State University, 1978.
   Major: Home Economics Education

PROFESSIONAL POSITIONS

Professional

Nominating Committee Chair, UAFCS. (January 2012 - Present).

Development Chair, Utah Association of Family and Consumer Sciences. (October 2007 - October 2009).

Family Relationships Chair, Utah Association of Family and Consumer Sciences. (October 2006 - October 2008).

Advisory Committee, Utah State Office of Education. (June 2006 - June 2008).

National Awards Vice President, Utah Association for Career and Technical Education. (January 2007 - August 2007).

Committee member, Utah State Office of Education. (May 2006 - May 2007).

Membership Chair, Utah Association of Family and Consumer Sciences. (October 2004 - October 2006).

PROFESSIONAL MEMBERSHIPS

American Association of Family and Consumer Sciences.

Phi Upsilon Omicron.

Utah Association of Career and Technical Education.


Phi Upsilon Omicron. (2012 - Present).
APPENDIX B


ACADEMIC INSTRUCTION

TEACHING EXPERIENCE

Utah State University

Graduate Independent Study, 1 course.
ASTE 6250, Plan C Project, 3 courses.
ASTE 6960, Graduate Seminar, 1 course.
ASTE 6250, SPEC PROB IN AG SYS, 3 courses.
ASTE 6960, Graduate Seminar, 8 courses.
FCSE 3060, Human Behavior Related to Dress, 2 courses.
FCSE 4250, Advanced Internship, 2 courses.
FCSE 4900, Independent Study, 1 course.
FCSE 5500, Student Teaching Seminar, 3 courses.
FCSE 6250, Graduate Internship CTE, 6 courses.
FCSE 6520, Administration and Supervision, 1 course.
FCSE 6540, Program Development, Testing and Evaluation, 1 course.
FCSE 6550, Advanced Teaching Techniques, 1 course.
FCSE 6900, Graduate Independent Study, 1 course.
FCSE 2510, Orientation to Family and Consumer Sciences Education, 11 courses.
FCSE 3060, Human Behavior Related to Dress, 2 courses.
FCSE 3300, Clinical Experience I, 2 courses.
FCSE 3400, FCSE Methods I, 4 courses.
FCSE 4250, Advanced Internship, 13 courses.
FCSE 4300, Clinical Experience, II, 4 courses.
FCSE 4400, FCSE Methods, II, 3 courses.
FCSE 4900, Independent Study, 2 courses.
FCSE 5500, Student Teaching Seminar, 12 courses.
FCSE 5630, Student Teaching in Secondary Schools, 8 courses.
FCSE 6240, Multiple Intelligences, 2 courses.
FCSE 6250, GRAD INTERNSHIP CTE, 9 courses.
FCSE 6300, Advanced Teaching Strategies, 1 course.
FCSE 6340, Curriculum Development, Testing, and Evaluation, 2 courses.
FCSE 6380, Supervision and Mentoring, 2 courses.
FCSE 6520, Administration and Supervision, 1 course.
FCSE 6530, Management, Motivation and Guidance, 2 courses.
FCSE 6550, Advanced Teaching Techniques, 1 course.
FCSE 6900, Graduate Independent Study, 19 courses.
FCSE 6950, Graduate Internship, 4 courses.
FCSE 6970, Thesis Research, 1 course.
USU 1330, CIV: CREATIVE ARTS (BCA), 4 courses.
USU 3330, Arts Symposium, 15 courses.

DIRECTED STUDENT LEARNING

Master's Committee Member, "How Student's Personalize their living Spaces," Interior Design.
Advised: Joshua
Master's Committee Member, "The Visual Effect of Purchasing Homes," Interior Design. Advised: Kristianna Pulsipher

Master's Committee Chair, Agricultural Systems Technology & Education. (August 6, 2013 - Present). Advised: Mikella Nelson

Master's Committee Chair, Agricultural Systems Technology & Education. (August 16, 2012 - Present). Advised: Melinda Minson

Master's Committee Chair. (July 26, 2012 - Present). Advised: Dustin Ercanbrack

Master's Committee Chair, Agricultural Systems Technology & Education. (July 26, 2012 - Present). Advised: Lisa Johnston

Master's Committee Member, "EFFECTS OF AGRICULTURAL EDUCATION COURSE COMPLETION ON URBAN HIGH SCHOOL STUDENTS' CAREER CHOICE," Agricultural Systems Technology & Education. (July 23, 2012 - Present). Advised: Kristina Gowans

Master's Committee Member, "EFFECTS OF INTEGRATING MATHEMATICAL CONCEPTS INTO AN ANIMAL SCIENCE CURRICULUM," Agricultural Systems Technology & Education. (April 4, 2012 - Present). Advised: Andrea Clark

Master's Committee Member, "Teacher Stress Coping Methods," Agricultural Systems Technology & Education. (January 31, 2012 - Present). Advised: Kasse Smith

Master's Committee Member, Agricultural Systems Technology & Education. (October 18, 2011 - Present). Advised: Elisa Freeman

Master's Committee Member, "PERCEPTIONS OF AGRICULTURAL EDUCATION INSTRUCTORS REGARDING A VETERINARY SCIENCE CAREER DEVELOPMENT EVENT," Agricultural Systems Technology & Education. (September 8, 2011 - Present). Advised: Melisa Griffith

Master's Committee Chair, Agricultural Systems Technology & Education. (August 24, 2011 - Present). Advised: Leah Rich

Master's Committee Member, "THE EFFECT OF DAILY RELEASED-TIME RELIGIOUS EDUCATION ON ACADEMIC ACHIEVEMENT," Family, Consumer, & Human Development. (July 18, 2011 - Present). Advised: Hansen Trace
MASTER'S COMMITTEE MEMBER

- Master's Committee Member. (June 27, 2011 - Present).
  Advised: Dalene Burch

- Master's Committee Chair, Family, Consumer, & Human Development. (March 21, 2011 - Present).
  Advised: Vikki Masters

- Master's Committee Member, "FACTORS THAT INFLUENCE SECONDARY STUDENTS TO JOIN THE COLLEGIATE FFA," Agricultural Systems Technology & Education. (December 10, 2010 - Present).
  Advised: Sara Vandenbos

- Master's Committee Member, Agricultural Systems Technology & Education. (March 27, 2012 - December 2013).
  Advised: Janette Shields

- Master's Committee Member, Agricultural Systems Technology & Education. (November 16, 2011 - August 15, 2013).
  Advised: Malcom Rose

AWARDS AND HONORS

- Teacher of the Year. (October 1, 2009).
- Teacher of the Year. (April 16, 2009).
- Nominated as Teacher of the Year for ASTE Department. (May 16, 2008).
- Outstanding Service. (March 19, 2000).
- UAFCS Outstanding Professional in Business. (March 14, 1996).

RESEARCH & OTHER CREATIVE ACTIVITIES

PUBLISHED INTELLECTUAL CONTRIBUTIONS

Refereed Journal Articles

- Journal Article, Academic Journal (Published)
  www.natefacs.org/JFCSE/v26Standards2/v26standards2.html

PRESENTATIONS GIVEN


Wheeler, J. (Presenter & Author), Conference Presentation, "USU Graduate Program in FCSE," Provo, Utah. (June 17, 2009).


CONTRACTS, GRANTS AND SPONSORED RESEARCH

Grant


SERVICE

General Service

College
Committee Member, Distance Education Committee.
Committee Member, Scholarship Committee, January 1, 2011.
Committee Member, Scholarship Committee, January 1, 2011.

Department
Committee Member, Search committee for teacher educators.
Attendee, Meeting, Council on Teacher Education, September 2013.
Committee Member, Graduate Committee, 2006.

Professional/Public
Committee Member, Ellen Eccles Theater Advisory Board, Logan, Utah, USA
Board Member, UAFCS, Utah, USA
Program Coordinator, District FCCLA, Logan, Utah, USA

Utah State University
Committee Member, Classroom Mediation Committee.
Committee Member, Promotion and Tenure Committee for Steven Mansfield, October 1, 2011.

PROMOTION AND TENURE COMMITTEES

Other
Wheeler, J. (Committee Member).
Promotion Committee

Garner, D. (Committee Member).
APPENDIX C

Scholarly Publications
Intellectual Contributions

Utah State University

January 1, 2006 - December 31, 2014

Beard, F. R.

Books

Book, Textbook-Revised (Published)

Book, Scholarly-New (Accepted)

Book Chapters

Book, Chapter in Non-Scholarly Book (Accepted)

Book, Chapter in Non-Scholarly Book (Accepted)

Book, Chapter in Non-Scholarly Book (Accepted)

Book, Chapter in Scholarly Book (Accepted)

Refereed Journal Articles
Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Conference Proceedings

Conference Proceeding (Accepted)

Conference Proceeding (Accepted)

Other Intellectual Contributions

(Published)
Beard, R. Dissemination of Pesticide Drift Reduction Information and the Impact on Regulatory Complaints to the Utah Department of Agriculture and Food.

Multi-Media-Powerpoint (Published)

Fact Sheet-Extension (Published)
Beard, R. (2012). Glove Resistance to Pesticides (pp. 2).

Multi-Media-Powerpoint (Published)

Curriculum Materials-Study Guide (Published)
Curriculum Materials-Study Guide (Published)

Curriculum Materials-Study Guide (Published)

Multi-Media-Powerpoint (Published)

Curriculum Materials-Study Guide (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Published)

Multi-Media-Powerpoint (Accepted)

Curriculum Materials-Study Guide (Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

Working Paper (Accepted)

(Accepted)
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(Accepted)

Working Paper (Accepted)

(Accepted)

Working Paper (Accepted)

(Accepted)
Beard, R. (2007). Fact Sheet: Utah Pesticide Safety Education Program (pp. 4-Jan).

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)
Beard, R. (2007). Fact Sheet: Tractor Maintenance Record Sheets (pp. 4-Jan).

Working Paper (Accepted)

Working Paper (Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

Working Paper (Accepted)

(Accepted)

Working Paper (Accepted)

(Accepted)

(Accepted)

(Accepted)


(Accepted)
APPENDIX C

(Accepted)

(Accepted)

(Accepted)


Multi-Media-Powerpoint
Beard, R. Comparison of Pesticide Poisoning and Heat Stress Symptoms.

Multi-Media-Powerpoint

Multi-Media-Powerpoint

Curriculum Materials-Study Guide

Multi-Media-Powerpoint

Multi-Media-Powerpoint

Hall, Kelsey

Refereed Journal Articles

Journal Article, Academic Journal (Published)

*Journal Article, Academic Journal (Accepted)*

*Journal Article, Academic Journal (Submitted)*
Hall, K. Conducting usability testing to improve an agricultural database website. *Journal of Applied Communications.*

*Journal Article, Academic Journal (Submitted)*
Hall, K., Rhoades, E. Ohio grain farmers’ attitudes toward organic and non-organic farming methods. *Journal of Applied Communications.*

**Non-Refereed Journal Articles**

*Journal Article, Academic Journal (In Preparation; Not Yet Submitted)*

*Journal Article, Academic Journal (In Preparation; Not Yet Submitted)*

**Other Intellectual Contributions**

*Book Review (Published)*
journalofappliedcommunications.org/images/stories/issues/2012/jac_v96_n2_article2.pdf


Hatch, Royce L.

**Conference Proceedings**

Conference Proceeding (Published)

Conference Proceeding (Accepted)

**Other Intellectual Contributions**

Multi-Media-Powerpoint (Accepted)

Lawver, Rebecca G.

**Refereed Journal Articles**

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Professional Journal (Published)

Journal Article, Professional Journal (Published)

Journal Article, Professional Journal (Published)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Submitted)
Lawver, B. G., Ulmer, J. D. First-year teachers and their mentors: Do their priorities align. *Journal of Agricultural Education*.

Non-Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Submitted)
Lawver, B. G., McKim, B. R., Enns, K., Smith, A. R., Aschenbrener, M. S. Toward a framework for Effective Teaching in Agricultural Education: A Multi-State Factor-Analytic and

**Other Intellectual Contributions**

*Magazine/Trade Publication (Published)*

*Magazine/Trade Publication (Published)*

*Magazine/Trade Publication (Published)*

*Magazine/Trade Publication (Published)*

Martineau, Stanley D.

**Non-Refereed Journal Articles**

*Journal Article, Professional Journal (Published)*

*Journal Article, Professional Journal (Published)*
Martineau, S. D. Diesel cam sensor. *NACAT.*

Miller, Bruce E.
Refereed Journal Articles

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Conference Proceedings

Conference Proceeding (Accepted)

Conference Proceeding (Accepted)

Conference Proceeding (Accepted)
Other Intellectual Contributions

Multi-Media-Powerpoint (Accepted)

Working Paper (Accepted)

(Accepted)

Working Paper (Accepted)

(Accepted)

Working Paper (Accepted)

Miller, Rhonda L.

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Professional Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Accepted)

**Non-Refereed Journal Articles**

**Journal Article, Public or Trade Journal (Published)**

**Journal Article, Public or Trade Journal (Accepted)**

**Journal Article, Public or Trade Journal (Accepted)**

**Journal Article, Public or Trade Journal (Accepted)**

**Conference Proceedings**

**Conference Proceeding (Published)**

**Conference Proceeding (Published)**

**Conference Proceeding (Published)**
Conference Proceeding (Accepted)

Other Intellectual Contributions

Fact Sheet-Extension (Published)

Abstract (Published)

Abstract (Published)

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

Fact Sheet-Extension (Published)

Abstract (Published)

Abstract (Published)

Abstract (Published)

Working Paper (Published)

Fact Sheet-Extension (Accepted)

Fact Sheet-Extension (Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

*Working Paper (Accepted)*

*Abstract (Accepted)*

(Accepted)

*Working Paper (Accepted)*
Curriculum Units/Book Chapters (Accepted)

(Accepted)

Abstract (Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

Abstract (Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

(Accepted)

Fact Sheet-Extension (Revising to Resubmit)

(Submitted)

(Submitted)

(Submitted)

Abstract

Abstract

Abstract

Abstract

Newsletter

Extension Publications

Extension Publications

Abstract

Abstract

Abstract
Presentation No. 07-5109). St. Joseph, MI: American Society of Agricultural and Biological Engineers.

Abstract

Abstract


Pate, Michael L.

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)
Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Revising to Resubmit)
Shumway, K., Pate, M. Diné (Navajo) Parents and Community Leaders Perceptions of Agricultural-Related Injury Risk to Youth: A Social Narrative. *Journal of Agricultural Safety and Health*.

Journal Article, Academic Journal (Submitted)
Pate, M. Compact Power Equipment Troubleshooting Training: Formative Assessment using Think-Aloud Pair Problem Solving. *NACTA*.

Journal Article, Academic Journal (Submitted)
Pate, M., Dai, X. Effects of selected predictors on Utah Farm Owner/Operators’ agricultural confined space hazard perceptions. *Journal of Agricultural Safety and Health*. 
Journal Article, Academic Journal (Submitted)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (In Preparation; Not Yet Submitted)

Conference Proceedings

Conference Proceeding (Published)

Conference Proceeding (Published)

Conference Proceeding (Published)

Conference Proceeding (Published)
Conference Proceeding (Accepted)

Other Intellectual Contributions

Multi-Media-Powerpoint (Accepted)

Abstract

Powell, James

Book Chapters

Book, Chapter in Scholarly Book (Published)

Referred Journal Articles

Journal Article, Academic Journal (Published)
Journal Article, Professional Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Professional Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Professional Journal (Accepted)

Journal Article, Professional Journal (Accepted)

Journal Article, Academic Journal (Submitted)

Journal Article, Professional Journal (Submitted)
McMullin, K., Reeve, E. M. IDENTIFYING PERCEPTIONS THAT CONTRIBUTE TO THE DEVELOPMENT OF. Journal of Engineering Education.
Journal Article, Professional Journal (In Preparation; Not Yet Submitted)
Warcup, R., Reeve, E. M. Teaching the Last Planner System™ with the Villego® simulation. *Journal of Lean Construction*.

Non-Refereed Journal Articles

Journal Article, Professional Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Accepted)

Conference Proceedings

Conference Proceeding (Published)

Conference Proceeding

Conference Proceeding

Conference Proceeding
Conference Proceeding  

Conference Proceeding  

**Other Intellectual Contributions**

Research Report (Published)  

Magazine/Trade Publication (Published)  

Multi-Media-Powerpoint  


**Shirley, Lindsey M.**

**Books**

Book, Scholarly-New (Published)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Submitted)

Journal Article, Academic Journal (In Preparation; Not Yet Submitted)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Journal Article, Academic Journal (Not Accepted)

Journal Article, Academic Journal (Submitted)

**Journal Article, Academic Journal (Submitted)**

**Journal Article, Academic Journal (In Preparation; Not Yet Submitted)**

**Journal Article, Academic Journal (In Preparation; Not Yet Submitted)**

**Journal Article, Academic Journal (In Preparation; Not Yet Submitted)**

**Journal Article, Academic Journal (In Preparation; Not Yet Submitted)**

**Conference Proceedings**

**Conference Proceeding (Published)**

**Other Intellectual Contributions**

**Fact Sheet-Extension (Published)**

**Fact Sheet-Extension (Published)**

**Fact Sheet-Extension (Published)**  

**Fact Sheet-Extension (Published)**  

**Fact Sheet-Extension (Published)**  

**Fact Sheet-Extension (Published)**  

**Fact Sheet-Extension (Published)**  

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Fact Sheet-Extension (Published)
Fact Sheet-Extension (Published)
https://extension.usu.edu/htm/publications/publication=14511

Fact Sheet-Extension (Published)
http://extension.usu.edu/htm/publications/publication=14508&custom=1

Fact Sheet-Extension (Published)
http://extension.usu.edu/htm/publications/publication=14505&custom=1

Fact Sheet-Extension (Published)
https://extension.usu.edu/htm/publications/publication=14504

Fact Sheet-Extension (Published)
https://extension.usu.edu/htm/publications/publication=14506

Fact Sheet-Extension (Published)
https://extension.usu.edu/htm/publications/publication=14507

Fact Sheet-Extension (Published)
http://extension.usu.edu/htm/publications/publication=13440&custom=1

Fact Sheet-Extension (Published)
http://extension.usu.edu/htm/publications/publication=13439&custom=1

Fact Sheet-Extension (Published)
http://extension.usu.edu/htm/publications/publication=13438&custom=1
Fact Sheet-Extension (Published)

Fact Sheet-Extension (Revising to Resubmit)

Fact Sheet-Extension (Revising to Resubmit)

Fact Sheet-Extension (Revising to Resubmit)

Monograph (In Preparation; Not Yet Submitted)

Monograph (In Preparation; Not Yet Submitted)

Spielmaker, Debra M.

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Conference Proceedings
APPENDIX C

Conference Proceeding (Published)

Conference Proceeding (Accepted)

Other Intellectual Contributions

Research Report (Published)

Magazine/Trade Publication (Published)
http://www.utahstate.usu.edu/archives.cfm

White Paper (Published)

Research Report (Accepted)

Research Report (Revising to Resubmit)

Stewardson, Gary A.
Refereed Journal Articles

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Published)*

*Journal Article, Professional Journal (Accepted)*

*Journal Article, Academic Journal (Accepted)*

**Journal Article, Academic Journal (Accepted)**

**Journal Article, Academic Journal**

**Non-Refereed Journal Articles**

**Journal Article, Academic Journal (Published)**

**Conference Proceedings**

**Conference Proceeding (Published)**

**Conference Proceeding (Published)**

**Conference Proceeding (Published)**

**Conference Proceeding (Published)**

*Other Intellectual Contributions*

*Manuscript (Published)*

*Straquadine, Gary S.*

*Refereed Journal Articles*

*Journal Article, Academic Journal (Published)*

*Journal Article, Academic Journal (Accepted)*

*Conference Proceedings*

*Conference Proceeding (Published)*

*Conference Proceeding (Accepted)*
Warnick, Brian K.

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)
Journal Article, Academic Journal (Published)

Journal Article, Academic Journal (Published)

Non-Refereed Journal Articles

Journal Article, Professional Journal (Published)

Journal Article, Public or Trade Journal (Published)

Journal Article, Professional Journal (Published)

Conference Proceedings

Conference Proceeding (Published)

Conference Proceeding (Published)

Conference Proceeding (Published)
APPENDIX C

Proceedings of the Twenty-sixth Annual Western Region AAAE Agricultural Education Research Conference.

Conference Proceeding (Published)

Conference Proceeding (Published)

Conference Proceeding (Accepted)

Conference Proceeding (Accepted)

Conference Proceeding (Accepted)

Other Intellectual Contributions

(Published)

Research Report (Published)
(Published)

(Published)

Newsletter (Published)

(Published)

Research Report (Accepted)

Abstract (Accepted)

Abstract (Accepted)

Abstract

Abstract

Abstract
Wheeler, Julie P.

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Other Intellectual Contributions

Abstract (Accepted)

Youngberg, Elaine M.

Refereed Journal Articles

Journal Article, Academic Journal (Published)