

Elizabeth Iva Bjerke, Ph.D.

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John D. Odegard School of Aerospace Sciences
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1. Educational Background

Ph.D. Educational Leadership (2009). University of North Dakota, Grand Forks, ND.

M.B.A. Management (2001). University of North Dakota, Grand Forks, ND.

B.B.A Aviation Management (1999). University of North Dakota, Grand Forks, ND.

2. Professional Experience

2016-present **Associate Dean**, John D. Odegard School of Aerospace Sciences, University of North Dakota

- Serve as the Associate Dean of Research for the Odegard School representing five departments: Aviation, Computer Sciences, Atmospheric Sciences, Space Studies and Earth System Science and Policy
- Oversee the academic activities of all five departments in regards to curriculum, assessment, accreditation and faculty evaluations

2014-2016 **Chair & Professor**, Department of Aviation, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.

- *Lead the faculty evaluation process that conforms to UND standards and provides both formative and summative feedback.*
- *Complete the annual evaluation process for each faculty member by the prescribed university, college, and department guidelines.*
- *Provide guidance/advice for faculty concerning promotion/tenure processes.*
- *Set up and assist in the training of new faculty members. Assign mentors to new faculty.*
- *Oversee the \$5 million aviation budget*
- *Plan and schedule the aviation courses for Fall, Spring and Summer*

2012-2014 **Associate Chair**, Department of Aviation, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.

- *Lead the continued development and implementation of a faculty evaluation process that conforms to UND standards and provides both formative and summative feedback.*
- *Provide guidance/advice for faculty concerning promotion/tenure processes.*

- *Set up and assist in the training of new faculty members. Assign mentors to new faculty.*
 - *Assist the Chair in the planning and implementation of the Fall, Spring and Summer class schedules.*
 - *Coordinate the WHAM meetings for the academic year. These meetings primarily consist of faculty development topics and take place every Monday over the lunch hour.*
- 2009-2014 **Associate Professor**, Department of Aviation, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.
- *Responsibilities as an Associate Professor include teaching on the average of 12 credit hours a semester, advising on the average of 40 aviation students, holding posted office hours, participating in committees, and being engaged in creative and scholarly activities.*
- 2011-2013 **Co-Coordinator – First Year Experience Pilot Program**, University of North Dakota, VPAA office.
- *Responsible for implementing and assessing the First Year Seminar pilot program at UND.*
 - *Responsible for leading the First Year Experience Advisory Cabinet*
- 2003-2012 **Assistant Chair Assessment**, Department of Aviation, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.
- *The Assistant Chair of Assessment is responsible for overseeing the assessment activities for the Department of Aviation, with an average of over 1300 aviation majors in six different degree programs, it is vital to have the assessment activities coordinated.*
 - *Duties include writing and revising the current department assessment, chairing the department assessment committee, scheduling and analyzing data obtained from graduation interviews, scheduling and analyzing data obtained from focus group lunches, analyzing stage check pass rates, and obtaining information from both alumni and industry.*
 - *Disseminate the assessment information to all faculty in order facilitate improvements in the program and curriculum.*
- 2002-2009 **Assistant Professor**, Department of Aviation, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.
- 1999-Present **Certified Flight Instructor**, Flight Operations, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.
- *Responsible for providing flight training to students in enrolled in the aviation courses. I am certified to provide flight training to students wishing to obtain their private or commercial flight training in either a single engine or multi-engine aircraft along with instrument training. I also provide flight training for students wishing to obtain their flight instructor certificate in single and multi-engine aircraft along with instrument rating.*

- *Responsible for conducting both intermediate and final stage checks in UND's Part 141 Pilot School. I am able to conduct the final stage checks for Private Pilot, Certified Flight Instructor and Certified Flight Instructor-Instrument.*

2001-2007 **Assistant Chief Flight Instructor**, Flight Operations, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.

- *An Assistant Chief designation is granted by the Federal Aviation Administration (FAA) to persons operating in a Part 141-Pilot School, that passes both a knowledge exam and practical exam with an FAA designee and meets certain experience requirements as a flight instructor.*
- *Responsibilities as an Assistant Chief include student record oversight, approval of certain training operations and assist the Chief Instructor in any way necessary.*

2001-2002 **Adjunct Lecturer of Aviation**, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.

- *Responsible for teaching both the Aviation 102-Introduction to Aviation and Aviation 221-Basic Attitude Instrument Flying courses.*

2000-2002 **Lead Flight Instructor**, Flight Operations, John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND.

- *Responsible for overseeing line flight instructors and assisting them in any areas deemed necessary.*
- *Responsible for overseeing the stage check process for all flight students.*
- *Implementing a new computer based stage check assignment system and managing the stage instructor inputs.*

Licensure:

Commercial Pilot-Airplane Single-Engine Land and Sea and Multi-Engine Land Instrument Airplane

Certified Flight Instructor-Airplane Single and Multi-Engine Instrument Airplane

3. Instructional Service

Undergraduate Courses Taught:

Aviation (Avit) 100 (1 cr)	Aviation Orientation
Aviation (Avit) 102 (5 cr)	Introduction to Aviation (Private Pilot Certification)
Aviation (Avit) 221 (3 cr)	Basic Attitude Instrument Flying
Aviation (Avit) 414 (5 cr)	CFI Certification
Aviation (Avit) 490 (2 cr)	Methods and Materials in Teaching Aviation
Aviation (Avit) 485 (3 cr)	Aviation Senior Capstone
University (Univ) 101 (2 cr)	Introduction to University Life

Graduate Courses Taught:

Aviation (Avit) 501 (3 cr)	General Issues in Aviation/Aerospace
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Aviation (Avit) 504 (3 cr) Aviation Research Methods

Prime Instructor:

Aviation (Avit) 102	2006-2008
Aviation (Avit) 221	2004-2005
Aviation (Avit) 414	2008-2014
Aviation (Avit) 485	2009-2015
Aviation (Avit) 490	2003-2011

Academic Advisement:

Typically advise between 20-40 undergraduate students, and up to 10 graduate students each semester in all of the aviation degree programs. Earlier in my tenure, I did have up to 125 undergraduate aviation students that I advised. I have worked with freshman aviation students in tracking and discussing the College Student Inventory. I built and maintain an academic website for my advisees that is updated and expanded on continuously. I also conducted a training session for new faculty on campus about advising best practices through the *Student Academic Services* office. In the Spring of 2006, I was awarded the UND Foundation Bertin C. Gamble Faculty Award in Excellence for Academic Advising.

Graduate Student Work:

Dissertation Committee Chair

- Andrew Leonard (In Progress)
- Nancy Shane (2016). The Relationship of a Pilot's Educational Background, Aeronautical Experience and Recency of Experience to Performance in Initial Training at a Regional Airline

Thesis Committee Chair/Independent Study Advisor:

- Andrew Klienfehn (In Progress). Regional Airline Pilot Commute: How Commuting by Air Effects Pilots' Satisfaction with Life.
- Paula Carlson (In Progress). Safety Risk Assessment in Cross-Country Training Planning
- Kristen Steuver (2015). UAS Pilot Certification: An Analysis of Air Force and Army Training
- Tyson Jaquez (2012). Participation in instrumental music as a predictor of success in a collegiate level aviation flight course
- Jeffrey Palmer (2010). Analysis of effect of flight course sequencing in international pilot training.

Dissertation/Thesis Committee Member:

- Kwasi Ajdekum (In Progress)
- Marian Courtney (2015). US Airspace Integration Perspectives of the FAA UAS Test Site Program.
- Renee Zapf (2014). The Relationship between Labor Unions and Safety in US Airlines: Is there a "Union Effect"
- Mike Elsenrath (2014). Effects of Railway Labor Act Election Rule Changes in Voter Participation and Unionization Activity.

- Nicholas Lounsberry (2013). Pilot supply and demand: A quantitative forecast examining changing industry dynamics
- Terra Jorgenson (2013). Delays in hiring air traffic collegiate training initiative (AT-CTI) graduates and the impact on their training success rate.
- Spencer Conklin (2012). Airline pilot non-flight related activities during cruise flight and perceptions on their safety effects.
- Carrie Giles (2011). Modern airline pilots quandary: Standard operating procedures – to comply or not to comply.
- Andrew Leonard (2011) Automatic Dependent Surveillance-Broadcast training.
- Andrew LaVenture (2010). Effects of fatigue and self-reported countermeasures used by regional airline pilots conducting continuous duty overnights.
- Danielle Dracy (2010). Handedness as a Predictor of Success in FAR Part 141 Flight Training

Curriculum Development Activities:

Bachelors in Science in Flight Education Curriculum Enhancements:

- Helped rewrite the curriculum for the B.S. in Flight Education. Added new courses and helped to revise current courses. Changes went into effect during the 2005-2007 academic catalog.
- Developed new curriculum for Methods and Materials in Teaching Aviation course. These changes were necessary to standardize and improve the previous course.
- Assisted in developing the Methods and Materials in Teaching Aviation II. This course was approved by the University and implemented in the 2005-2007 Academic Catalog.

Aviation Senior Capstone Development

- Received an OID Grant to create an Aviation Capstone that will fulfill the Essential Studies requirement for our majors.
- This course will also meet the Aviation Accreditation Board International's criteria for a culminating experience.

FAA Part 141-Pilot School Training Course Outline Approvals

- Assisted in developing a new Part 141 Training Course Outlines. This includes work on the Private Pilot, Commercial Pilot and Certified Flight Instructor Curriculum.

4. Institutional Service

University of North Dakota

University Library Committee, 2014-present
 Essential Studies Committee, 2014-present
 Strategic Enrollment Management Committee, 2015-present
 University Registrar Search Committee, 2016
 Special Review Committee Pool, 2013-present
 SEM Retention Sub-Committee, 2013- 2015
 First Year Experience Advisory Cabinet, 2012-2013
 Serve as chair of the cabinet
 University Retention Committee, 2011-2013
 Served as co-chair of the committee

Vice President of Academic Affairs/Provost Search Committee, 2012
Orientation Advisory Committee, 2012-2012
Dean of Students, Search Committee, 2011
Undergraduate Learning Working Group, 2009-2011
Senate Budget, Restructuring and Reallocation Committee, 2009-2012
Academic Advising Committee, 2007-2011
Member of sub-committee tasked with developing and implementing an institutional wide analysis of university academic advising.
Administrative Procedures Committee, 2007-2009
Senate University Assessment Committee, 2005-2008
Member of sub-committee which re-wrote the institution's assessment plan approved by University Senate in May of 2006
Participant in Issues in Higher Education Leadership Seminar, 2007-2008
Student Relations Committee, 2002-2007
University Senate, 2004-2005
Alice T. Clark Faculty Mentoring Program, 2002-2003
UND Representative, National College Fair Buffalo, NY and Syracuse, NY 2003

John D. Odegard School of Aerospace Sciences, Department of Aviation

Faculty Promotion/Tenure and Evaluation Committee, 2013-present
Chair, 2013-present
Aviation Retention and Student Success, 2013-2014
Chair, 2013-2014
Airline Transport Pilot – CTP Working Group, 2012-2014
Faculty Recruitment, Evaluation and Development, 2012-2013
Chair, 2012-2013
Assessment Committee, 2003-2013
Chair, 2003-2012
AABI Achievement Task Force, 2010-2012
Chair, 2010-2012
Aviation Graduate Faculty, 2009-present
Curriculum Committee, 2002-2003, 2008-present
Aerospace Learning Center Faculty Advisor, 2002-2011
This center provides free tutoring services to all students in aviation. It is staffed by student volunteers currently enrolled in the flight instructor courses. On the average, over 70 students volunteer to serve as tutors within the center each semester. The center is open for 55 hours a week, and is housed in Odegard Hall. Each semester I am responsible in recruiting and training the new volunteer tutors.
New Faculty Search Committee, 2005-2008
Technology on Teaching Committee, 2005-2008
Scholarship Committee, 2004-2006
Course Enhancement Committees, 2002-2008
Faculty Mentor (in-department) 2003-2004
Faculty Promotions Committee, 2004-2005
Faculty Advisor
Women in Aviation, International, UND Chapter, 2002-present
Faculty Advisor

National Intercollegiate Flying Association's (NIFA) Region V Safety and Flight Evaluation Conference (SAFECON), 2003, 2006

National Intercollegiate Flying Association's National Safety and Flight Evaluation Conference, 2003

There are nearly 70 schools which participate in NIFA each year. Each team earns the right to participate at the National Safety and Flight Evaluation Conference by performing well at their regional competition. The Region V Regional is conducted in the Fall of each year. This competition typically has about four schools, 40 competitors and 20 judges participating in the three day event. The National competition takes place in the spring of each year with 30 schools, 500 competitors, 75-100 judges and numerous other participants for the week long event.

Active Flight Instructor for Flight Operations

Provide flight instruction to students and conduct both intermediate and final stage checks to students. On average I conduct 20 stage checks (flight evaluations for certification) each year.

5. Research and Publications

Refereed Journal Articles

Nikle, A., & Bjerke, E. (2018). US Regional Airline Pay Scale Changes. *International Journal of Aviation, Aeronautics, and Aerospace*, 5(2).
<https://doi.org/10.15394/ijaaa.2018.1233>

Smith, M., Smith, G., Bjerke, E., Christensen, C., Carney, T., Craig, P., Niemczyk, M. (in press). Pilot Source Study 2015: A Comparison of Performance at Part 121 Regional Airlines between Pilots Hired before the US Congress Passed Public Law 111-216 and Pilots Hired after the Law's Effective Date. *Journal of Aviation Technology and Engineering*.

Smith, G., Bjerke, E., Smith, MJ, Christiansen, C., Carney, T., Craig, P., & Niemczyk, M. (In Press). Pilot Source Study 2015: An Analysis of FAR Part 121 Pilots Hired after Public Law-111-216 – Their Backgrounds and Subsequent Successes in US Regional Airline Training and Operating Experience. *Journal of Aviation Technology and Engineering*.

Bjerke, E., Smith, G., Smith, MJ, Christiansen, C., Carney, T., Craig, P., & Niemczyk, M. (2016). Pilot Source Study 2015: US Regional Airline Pilot Hiring Background Characteristic Changes Consequent to Public Law 111-216 and the FAA First Officer Qualifications Rule. *Journal of Aviation Technology and Engineering*. 5(2). Article 1. <http://docs.lib.purdue.edu/jate/vol5/iss2/1/>

Zerr, R. & Bjerke, E. (2016) Using multiple assessments to gauge outcome differences between academic-themed and transition-themed first-year seminars. *Journal of College Student Retention and Theory and Practice*. 18(1), 68-82.

Wilson, N, Martin, L. & Bjerke, E. (2015). Aviation Living Learning Community:

Impacts on student success. *Collegiate Aviation Review*. 33(1).

Dusenbury, M. & Bjerke, E. (2013). Predictive power of English testing: Training international flight students. *Journal of Aviation/Aerospace Education and Research*. 23(1),13-22.

Smith, G. M., Bjerke, E. Niemczyk, M., Paausch, J., NewMeyer, D. A., Herchko, D & Nullmeyer, R. (2012). The 2012 Pilot Source Study (Phase III): Response to the Pilot Certification and Qualification Requirements for Air Carrier Operations. *Journal of Aviation Technology & Engineering*. 2(2), 13-23.

Bjerke, E. & Malott, D. (2011). Impacts of Public Law 111-216: Will the Flight Instructor Career Path Remain a Viable Option for Aspiring Airline Pilots? *Collegiate Aviation Review*, 29(1), 1-9.

Smith, G. M., Bjerke, E., NewMeyer, D. A., Niemczyk, M. & Hamilton, R. A. (2010). Pilot source study: An analysis of pilot backgrounds and subsequent success in US regional airline training programs. *International Journal of Applied Aviation Studies*.10(1). 73-96.

Bjerke, E. & Healy, M. (2010). Predicting student persistence: Pre-entry attributes that lead to success in a collegiate flight program. *Collegiate Aviation Review*, 28(1), 25-41.

Higgins, J., Bjerke, E. & Skramstad, A. (2010). Requiring laptop computers: Aviation student perceptions. *Journal of Aviation/Aerospace Education and Research*. 19(2),p. 55-63.

Bjerke, E. (2009). Culminating experiences: A national survey of accredited institutions. *Collegiate Aviation Review*. 27(2), p.9-17.

Bjerke, E & Higgins, J. (2008). Working while in school: Analysis of aviation students and employment. *Collegiate Aviation Review*. 26(2), p. 17-22

Invited Commentary Journal Article

Bjerke, E. & Palmer, J. (in press). Commentary on North American *ab initio* flight training for Chinese pilots: A case study on selection. *International Journal of Aviation Psychology*.

*Serve as a reviewer for the Journal of Aviation/Aerospace Education and Research

*Serve as a reviewer for the Collegiate Aviation Review

*Serve as a reviewer for the International Journal of Professional Aviation Training & Testing Research

*Serve as a reviewer for the Journal of Aviation Technology & Engineering

National Service Related Publications

Bjerke, E. (2001). *Manual for Hosting the National Intercollegiate Flying*

*Association's National Safety and Flight Evaluation Conference. Grand Forks: University of North Dakota.
This guide is used by schools across the nation for planning and preparing a successful national competition and conference.*

Departmental Publications

- Bjerke, E. (2011). *Self-study report for the Aviation Accreditation Board International*. Grand Forks: University of North Dakota, Department of Aviation.
Re-affirmation was granted until 2017 without any stipulations.
- Bjerke, E. (2010). *Assessment chronicle: Department of aviation, 7, 1-4.*
- Bjerke, E. (2009). *Assessment chronicle: Department of aviation, 6, 1-4.*
- Bjerke, E. (2008). *Assessment chronicle: Department of aviation, 5, 1-4.*
- Bjerke, E. (2007). *Assessment chronicle: Department of aviation, 4, 1-4.*
- Bjerke, E. (2006). *Assessment chronicle: Department of aviation, 3, 1-4.*
- Bjerke, E. (2006). *Self-study report for the Aviation Accreditation Board International*. Grand Forks: University of North Dakota, Department of Aviation.
Re-affirmation was granted until 2012 without any stipulations.
- Bjerke, E. (2005). *Assessment chronicle: Department of aviation, 2, 1-4.*
- Bjerke, E. (2004). *Assessment chronicle: Department of aviation, 1, 1-4.*

6. Presentations

Research and Scholarly Related:

International and National Audiences

- Bjerke, E. & Birdsong, J. (2018). *Collegiate Aviation and the Second Century of Flight: Teaching, Research and Outreach*. National Pilot Source Forum presented at Randolph Air Force Base.
- Bjerke, E. (2017). *UND Pilot Supply Forecast and the Collegiate Aviation Stream*. Chief of Staff Air Force – Airline Executive Meeting on National Pilot Sourcing presented at Washington DC. (May 18, 2017)
- Bjerke, E. & Byrnes, K. (2017) *Alternate Path to Wings: Part 141 Collegiate Aviation Pilot Training*. National Pilot Source Forum presented in Washington DC.
- Bjerke, E. (2016). *UND Pilot Supply Forecast and Pilot Source Study 2015*. National Pilot Source Forum in Washington, DC.
- Higgins, J. & Bjerke, E. (2014). *Anticipated Pilot Shortage and Potential Industry*

Impact. Civil Reserve Air Force – Executive Working Group presented at Scotts Air Force Base, St. Louis, MO.

Bjerke, E., Beckman, W., Mott, J & Shane, N. (2016). *Expanding Offerings in Flight Operations Internships/Pipeline Program*. University Aviation Association annual conference presented at Omaha, NE.

Bjerke, E. (2016). *Industry/Educator Forum: Gateway/Pathway Programs for Flight/Pilots and Pilot Supply Forecast*. Aviation Accreditation Board International Summer Meeting presented at Toronto, Canada.

Bjerke, E. (2016). *UND Pilot Supply Forecast and Pilot Source Study 2015*. National Pilot Source Forum in Washington, DC.

Bjerke, E., Crook, A., Mulder, J., & Sunderman, J. (2016). *Is Your Community Surviving the Pilot Shortage and Air Service Issue?* American Association of Airport Executives Annual Conference and Exposition in Houston, TX.

Bjerke, E. & Smith, G. (2016). *Pilot Source Study – Phase IV*. Regional Airline Association Annual Convention in Charlotte, NC.

Smith, G., Bjerke, E., Smith, MJ, Christiansen, C., Carney, T., Craig, P., & Niemczyk, M. (2016) *AABI Town hall: Pilot Source Study 2015*. Aviation Accreditation Board International Winter Meeting presented at Atlanta, GA.

Bjerke, E. (2015). *Airline PBN Operations & Desired Entry Competency*. Aviation Accreditation Board International Winter Meeting presented in Auburn, AL.

Higgins, J. & Bjerke, E. (2014). *Anticipated Pilot Shortage and Potential Industry Impact*. Civil Reserve Air Force – Executive Working Group presented at Scotts Air Force Base, St. Louis, MO.

Smith, G. M., Bjerke, E., Niemczyk, M. & Paasch, J. (2012). *Pilot Source Study Phase III Results*. AABI/FAA Town hall Meeting presented at the Aviation Accreditation Board International Summer Meeting in Montreal, Canada.

Bjerke, E. & Malott, D. (2011). *Impacts of Public Law 111-216: Will the Flight Instructor Career Path Remain a Viable Option for Aspiring Airline Pilots?* Presented at the University Aviation Association Fall Conference in Indianapolis, IN.

Smith, G. M., Bjerke, E., NewMeyer, D. A., Niemczyk, M. & Hamilton, R. A. (2011). *Pilot Source Study Phase II Results*. Luncheon Keynote Address presented at the Aviation Accreditation Board International Winter Meeting in Daytona Beach, FL.

- Bjerke, E. (2010). *Pilot Source Study Phase I Results*. Presented at the University Aviation Association Fall Conference in St. Paul, MN.
- Bjerke, E. (2010). *Predicting student persistence: Pre-entry attributes that lead to success in a collegiate flight program*. Presented at the University Aviation Association Fall Conference in St. Paul, MN.
- Bjerke, E. & Smith, G. (2010). *Educator response: Electronic portfolios*. Presented at the Aviation Accreditation Board International Conference in Auburn, AL.
- Bjerke, E. (October 2009). *Culminating Experiences: A National Survey of Accredited Institutions*. Presented at the University Aviation Association Fall Conference in Wichita, KS.
- Bjerke, E. (February 2009). *Culminating Experience: A National Survey*. Presented at the Aviation Accreditation Board International Annual Meeting in Jacksonville, FL.
- Bjerke, E. & Higgins, J. (October 2008). *Working While in School: Analysis of Aviation Students and Employment*. Presented at the University of Aviation Association Fall Conference in Denver, CO.
- Bjerke, E. (July 2008). *Outcomes Based Training Workshop: Best Practices in Aviation Assessment Activities*. Presented at the Aviation Accreditation Board International Annual Meeting in Champaign, IL.

University of North Dakota Audiences

- Bjerke, E. (May 2009). *Academic Advising at UND: What students and advisers are saying*. U2 session offered for the university community.
- Bjerke, E. & Anderson, T. (September 2008). *Essential Studies Capstone Model Project: Five Essential Elements*. Poster presented the Essential Studies Summit at the University of North Dakota.
- Bjerke, E. (May 2008). *Academic Advising Surveys: Analysis of the Results*. Presented to the University Academic Advising Committee based on two campus wide surveys.

Professional:

International and National Audiences

- Bjerke, E., Martin, L., Jorgenson, T., Speakes, J. & Chabrian, P. (2015). *Opportunities in Academia: Exploring a Fulfilling Career in Aviation Collegiate Education*. Presented at the Women in Aviation International Conference in Dallas, TX.
- Bjerke, E. (2013). *Certifying Graduates for the R-ATP*. Best Practices presented

at the University Aviation Association Fall Conference in San Juan , PR.

Paasch, J., Bjerke, E. & Anderson, S. (2013). *Challenges and Opportunities in Engaging Flight Instructors to Succeed in the New Normal*. Presented at the University Aviation Association Fall Conference in San Juan , PR.

Bjerke, E., Bushy, D., Lovelace, K., Shane, N. (July 2013). *Faculty Development Program: An update of the Beta Test*. . Presented at the Aviation Accreditation Board International Annual Meeting in Kansas City, MO.

Bjerke, E. (July 2012). *Proposed Educator Intern Program*. Presented at the Aviation Accreditation Board International Annual Meeting in Montreal, Canada.

Bjerke, E. (June 2012). *The Role of Certified Flight Instructor*. Presented at the National Transportation Safety Board's Forum on General Aviation Safety: Climbing to the Next Level in Washington D.C.

Bjerke, E. & Anderson, T. (2011). *Organizing Education to Produce Qualified First Officer Candidates*. Presented at the National Training Aircraft Symposium in Daytona Beach, FL.

Bjerke, E. & Smith, G. (February, 2010). *Educators Respond: Use of Electronic Media for Assessment of Student Learning*. Presented at the Aviation Accreditation Board International Winter Meeting in Auburn, AL.

Bjerke, E. (October, 2009). *Best Practices Roundtable: A Three Tiered Approach to Student Learning*. Presented at the University Aviation Association Fall Conference in Wichita, KS.

Bjerke, E. (October, 2008). *Aviation Accreditation: A New Paradigm*. Member of panel that presented on aviation accreditation at the University Aviation Association Fall Conference in Denver, CO.

Bjerke, E. (February 2008). *Outcome Based Training Workshop: AABI Resource and Training Website*. Presented at the Aviation Accreditation Board International Winter Meeting in Mesa, AR.

Bjerke, E. (March, 2006). *Navigating the Information Super Highway*. Session presented at the Women in Aviation, International Conference in Nashville, TN.

Bjerke, E. & Anderson, T. (March, 2004). *Minimizing Training Costs by Utilizing Technology*. Session presented at the Women in Aviation, International Conference in Reno, NV.

Regional Audiences

- Martin, L., Bjerke, E., Bridewell, J., Carlson, C. & Johnson, M. (June 2012). *Incorporating Aviation into the Classroom*. Workshop given for the Professional Development for Educators.
- Martin, L., Bjerke, E., Bridewell, J., Carlson, C. & Johnson, M. (June 2011). *Incorporating Aviation into the Classroom*. Workshop given for the Professional Development for Educators.
- Martin, L., Bjerke, E., Bridewell, J., Carlson, C. & Johnson, M. (June 2010). *Incorporating Aviation into the Classroom*. Workshop given for the Professional Development for Educators.
- Martin, L., Bjerke, E., Bridewell, J. & Johnson, M. (June 2009). *Incorporating Aviation into the Classroom*. Workshop given for the Professional Development for Educators.
- Bjerke, E. (March, 2009). *FAA Team CFI Workshop Module I*. Presented in conjunction with the Federal Aviation Administration Safety Team's CFI Refresher Course in Grand Forks, ND.
- Bjerke, E. (November 2008). *Got Wings? Introducing the FAA's New Pilot Proficiency Program*. Presented in conjunction with the Federal Aviation Administration Safety Team in Grand Forks, ND.
- Bjerke, E. (April 2008). *Math Use for Preflight Planning*. Presented at the North Dakota Council of Teachers of Mathematics Spring Conference in Grand Forks, ND.

University of North Dakota Audiences

- Bjerke, E., Kelsch, A., LaPierre, Y., Magness, M., Peterson, S. & Zerr, R. (2012) *Engaging UND's 2012 First-Year Students Workshop*.
- Bjerke, E. & Zerr, R. (2012) *First-Year Experience Pilot Project (poster Presentation)*. 2012 Exceptional UND Showcase.
- Bjerke, E. & Burger, L. (2012) *Retention Initiative*. 2012 Exceptional UND Showcase.
- Bjerke, E., Burgess, M., Berg-Burin, N., Ozaki, C. & Zerr, R. (2012). *Teaching courses that are student centered by design: Checking in with the first-year experience pilots (panel Discussion)*. UND Office of Instructional Development On Teaching Seminar.

- Bjerke, E., & Jensen, W. (October, 2009). *Coaching Your Student: A Faculty*

Perspective. Presented at UND's family weekend through Enrollment Services.

Bjerke, E. (September 2008). *Exploring Issues in Higher Education Leadership*. Member of panel that presented to the UND community about the Issues in Higher Education Leadership Seminar.

Bjerke, E., & Patton, G. (October, 2007). *Coaching Your Student: A Faculty Perspective*. Presented at UND's family weekend through Enrollment Services.

Bjerke, E. (August 2006). *Tools for Advising: Developed Through Experience and Necessity*. Session presented to new faculty at the University of North Dakota through the Student Success Center.

Community Service:

Girl Scouts of America:

Assist in coordinating the annual Girl Scout Aerospace Exploration Day. This event has been taking place for over 15 years between the Women in Aviation, UND Chapter and Dakota Horizon Girl Scout Council. Every year about 80-100 girls attend the daylong event.

7. Grants

Model Project Grant. Office of Instructional Development. University of North Dakota. Grant for developing an aviation capstone course that aligns with the campus essential studies requirements. April 2008. \$1500.

Models of Innovative & Best Practices in Teaching & Learning at UND. University of North Dakota. Grant for sharing innovative teaching with campus. May 2008. \$750.

8. Professional Associations

Aviation Accreditation Board International (AABI), 2004-present

AABI is the CHEA recognized specialized accreditor for aviation education.

Educator Member of the Board of Trustees, 2007-2016

Accreditation Committee 2007-2016

Visiting Team Chair, 2009-present

Ad Hoc Faculty Development Committee, 2012-present

Co-Chair, 2012-present

Visiting Team Member, 2006-present

Multi-Campus and Distance Learning Task Force, 2009-2010

Chair, 2009-2010

Forms Revision Task Force, 2011-2012

Chair, 2011-2012

Outcome Resource and Training Committee, 2007-2009

Southern Association of Colleges and Schools, Commission on Colleges

On-site reviewer
 University Aviation Association (UAA), 2008-present
 Curriculum Committee Member, 2010-2013
 Publication Committee Member, 2012-present
 Graduate Education Committee Member, 2011-present.
 Federal Aviation Administration-GA JSC Risk Reduction Working Group
 System Component Failure – Powerplant (SCF-PP)
 Federal Aviation Administration Safety Team Lead Representative (FAASTeam), 2008-present
 FAAST team representatives promote aviation safety through training, outreach and education.
 Journal of Aviation/Aerospace Education and Research (JAAER), 2008-present
 Serve as a reviewer for this scholarly journal
 Collegiate Aviation Review (CAR), 2009-present
 Serve as a reviewer for this scholarly journal
 International Journal of Professional Aviation Training & Testing Research, (2011-present)
 Serve as a reviewer for this scholarly journal
 Journal of Aviation Technology & Engineering (JATE), 2011-present
 Serve as a reviewer for this scholarly journal
 Women in Aviation International (WAI), 1998 to present
 WAI is an international organization established to promote females in the field of aviation.
 Faculty Advisor, 2002-present
 UND Chapter President, 1998-1999
 Founded the UND chapter as a student in 1998.
 National Association of Flight Instructors (NAFI), 2008-2009
 NAFI is a professional organization for flight instructors.
 National Intercollegiate Flying Association (NIFA), 2000-2006
 NIFA is the organization responsible in conducting the both regional and national Safety and Flight Evaluation Conferences for collegiate aviation programs.
 NIFA President, 2000-2001
 Faculty Advisor, 2002-2003, 2006

9. Professional Development

Conference Attendance:

American Council on Education (ACE) Regional Women's Leadership Conference, September 2013.

Aviation Accreditation Board International:

Winter Meetings:

February 2014 – Auburn, Alabama
 February 2013 – Auburn, Alabama
 February 2012 – Auburn, Alabama
 February 2011 – Daytona Beach, Florida
 February 2010 – Auburn, Alabama
 February 2009 – Jacksonville, Florida
 February 2008 – Mesa, Arizona

February 2006 – Auburn, Alabama

February 2005 – Atlanta, Georgia

Annual Meetings:

July 2013 – Kansas City, MO

July 2012 – Montreal, Canada

July 2011 – Norman, Oklahoma

July 2010 – Kent, Ohio

July 2009 – Toronto, Ontario CA

July 2008 – Champaign, Illinois

July 2007 – Seattle, Washington

July 2006 – Duluth, Minnesota

July 2005 – London, Ontario CA

University Aviation Association:

Fall Meeting:

November 2013 – San Juan, PR

September 2012 – Murfreesboro, TN

October 2011 – Indianapolis, Indiana

October 2010 – St. Paul, Minnesota

October 2009 – Wichita, Kansas

October 2008 – Denver, Colorado

Institute for First-Year Seminar Leadership:

University of South Carolina, National Resource Center

April 15-17, 2012

Women in Aviation, International:

Annual Conference:

March 2008 – San Diego, California

March 2006 – Nashville, Tennessee

March 2005 – Dallas, Texas

March 2004 – Reno, Nevada

March 2003 – Cincinnati, Ohio

The Collaboration for the Advancement of College Teaching and Learning:

Regional Assessment Workshop:

May 2006 – Minneapolis, Minnesota

"Analyzing, Communicating, & Using Assessment Data to Improve Student Learning,"

Issues in Higher Education Leadership Seminar, 2007-2008

Selected and Participated as one of six members of the 2007-2008 President's Issues in Higher Education Leadership Seminar. This is a University of North Dakota sponsored year long seminar that focuses on administrative issues in higher education.

10. Honors/Awards

Aviation Accreditation Board International (AABI) Paul A. Whalen Educator Award 2016. Presented by at AABI at the Summer 2016 Meeting in Toronto, CA.

UND Foundation/Thomas J. Clifford Achievement Award for Outstanding Faculty Development and Service, February 28, 2013.

William A. Wheatley Award. 2012. Presented by the University Aviation Association

The Wheatley award is granted each year to a professional educator who is a University Aviation Association actively involved member in good standing and who has over ten years actual experience in the aviation education profession and who has made outstanding contributions to aerospace education. Nominees for the Award must be professional educators at the collegiate level. Individuals may be nominated for this award by UAA Professional, Associate, Corporate, or Institutional members. The award is made each year in memory of United Air Lines' William A. Wheatley—a dominant pioneer in the field of aviation education.

Athena Young Professional Award Recipient. 2009

National Association of Flight Instructor's Master CFI accreditation. May 2008.

The Master Instructor designation is the only industry professional accreditation recognized by the FAA. It is earned by candidates through a rigorous process of continuing professional activity and peer review. Much like a flight instructor's certificate, it must be renewed biennially. This process parallels the continuing education regimen used by other professionals to enhance their knowledge base while increasing their professionalism. Simply put, the Master Instructor designation is a means by which to identify those outstanding aviation educators, those "Teachers of Flight," who have demonstrated an ongoing commitment to excellence, professional growth, and service to the aviation community.

UND Foundation Bertin C. Gamble Faculty Award in Excellence for Academic Advising, February 23, 2006.

Flight Instructor of the Month, UND Aerospace, March 2000