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| **Suzanne K. Kearns**  Geography and Aviation, Faculty of Environment  University of Waterloo  EV1 238, 200 University Avenue West, Waterloo, ON, Canada, N2L 3G1  [suzanne.kearns@uwaterloo.ca](mailto:suzanne.kearns@uwaterloo.ca) (519) 888-4567 x32789 | |
| **Employment History** |  |
| 2016-Present | **University of Waterloo, Geography and Environmental Management**  Associate Professor with Tenure, Geography and Aviation |
| 2014-2016 | **University of Western Ontario, DAN Management and Organizational Studies**  Associate Professor with Tenure, Commercial Aviation Management |
| 2008-2014 | **University of Western Ontario, DAN Management and Organizational Studies**  Assistant Professor, Commercial Aviation Management |
| 2004-2008 | **University of Western Ontario, DAN Management and Organizational Studies**  Full-Time Lecturer, Commercial Aviation Management |
| **Education** |  |
| 2007 | **Doctorate of Philosophy, Capella University**  Education, *Specialization: Instructional Design for Online Learning*  *Dissertation: The effectiveness of guided mental practice in a computer-based single pilot resource management training program* |
| 2002 | **Master of Science, Embry-Riddle Aeronautical University**  Human Factors and Systems Engineering  *Thesis: The performance effects of a low dose of caffeine on a cognitive vigilance task* |
| 2000 | **Bachelor of Science, Embry-Riddle Aeronautical University**  Aeronautical Science  *Minor: Aviation weather* |
| 1998 | **College Diploma, Canadore College of Applied Arts and Technology**  Helicopter Pilot Flight Program |
| **Pilot Experience** |  |
| 1995-2002 | **Commercial Airplane Pilot’s License, Multi-Engine and IFR ratings**  Training experience   * Cessna C-172 training in a small flight school * Cessna C-172, Frasca 141, and Piper Seminole PA-44 training within Embry-Riddle Aeronautical University * Embraer Regional Jet ERJ-145 ground training in an airline flight department |
| 1997-2002 | **Commercial Helicopter Pilot’s License**  Training experience   * Robinson R-22 training out of Buttonville Airport in Toronto * Enstrom 280 and Bell 206 Jetranger training within a structured college program |

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| **Service Roles** | |  | | |
| ***‘Aviation Fundamentals’ Textbooks*** | | | | |
| 2017-Present | | **Series Editor** – Identify titles, mentor authors, and edit textbooks within the ‘Aviation Fundamentals’ series with Routledge publishing company. | | |
| ***Air Georgian Advisory Committee*** | | | | |
| 2018-Present | | **Advisor** – Support the airline on initiatives related to competency-based training, recruitment/education of the next generation of aviation professionals, and other matters. | | |
| ***International Civil Aviation Organization (ICAO)*** | | | | |
| 2017 – Present | | **Vice-Chair – Next Generation of Aviation Professionals (NGAP) Programme**  Editor of the quarterly ICAO NGAP newsletter, make presentations supporting NGAP at industry events. | | |
| 2015 – 2017 | | **Member - Next Generation of Aviation Professionals (NGAP) Programme** | | |
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| ***University Aviation Association (UAA)*** | | | | |
| 2016-Present | | **Past-President – University Aviation Association (UAA)** | | |
| 2015-2016 | | **President – University Aviation Association (UAA)**  Based on a vote from UAA membership, represent the domestic and international interests of Collegiate Aviation as President of Association   * The UAA has nearly 100 institutional members, primarily 4-year degree granting institutions, and more than 500 individual members | | |
| 2014-2015 | | **President Elect – University Aviation Association** | | |
| **Awards and Recognitions** | |  | | |
| 2018 | | **University Aviation Association, William A. Wheatley Award**  Outstanding Contributions to Aerospace Education | | |
| 2017 | | **Royal Aeronautical Society (RAeS), Fellow**  Elected as a Fellow of the Society, the highest recognition possible only bestowed upon those in aeronautics or aerospace who ‘have made an outstanding contribution to the profession’ | | |
| 2017 | | **Wings Magazine, Top 20 Under 40 in Canadian Aviation**  Recognition as one of the top 20 aviation professionals under the age of 40 within aviation in Canada | | |
| 2013 | | **University Aviation Association, Frank E. Sorensen Award**  Outstanding Achievement of Excellence in Aviation Research/Scholarship | | |
| **Publications** | |  | | |
| ***Journal Articles*** | | | | |
|  | | Kearns, S., & Aitken Schermer, J. (2017). Survey of Attitudes toward Aviation Safety Management System (SMS) Training: Impact of Gender and National Culture. *Aviation Psychology and Applied Human Factors, 7,* 1-6*.* | | |
|  | | Kearns, S. (2013). Snap-courses: An instructional design strategy for aviation mobile learning. *Collegiate Aviation Review, Spring, 69-78.* | | |
|  | | Kearns, S., & Sutton, J. E. (2013). Hangar talk survey: Identifying the threats and errors encountered naturalistically by pilots in general aviation. *Human Factors, 55*(2), 267-277. | | |
|  | | Kearns, S., & Sutton, J. E. (2012). Exploring the experiences of pilots within Canadian general aviation flight operations. *Collegiate Aviation Review, 30*(1), 16-31. | | |
|  | | Kearns, S. (2011). Online single-pilot resource management: Assessing the feasibility of computer-based non-technical pilot training*. International Journal of Aviation Psychology*, *21*(2), 175-190. | | |
|  | | Kearns, S. (2010). Guided mental practice: An instructional strategy for asynchronous e-learning of pilot skills. *Collegiate Aviation Review, 28*(1), xx-xx*.* | | |
| ***Books*** | | ***Academic Monographs*** | | |
|  | | Kearns, S. K., Mavin, T., & Hodge, S. (Eds) (under contract expected 2020). *Seeking the next generation of aviation professionals: An Edited Volume*. Aldershot, England: Routledge. | | |
|  | | Kearns, S. K., Mavin, T., & Hodge, S. (2016). *Competency-based education in aviation: Exploring alternate training pathways*. Aldershot, England: Ashgate/Routledge. ISBN: 1472438566 | | |
|  | | Kearns, S. K. (2010). *e-Learning in aviation*. Aldershot, England: Ashgate. ISBN: 0754678792 | | |
|  | | ***Textbooks*** | | |
|  | | Kearns, S. K. (2018). *Fundamentals of international aviation.* Routledge. ISBN: 1138708976 | | |
|  | | Kearns, S. (2009). *Canadian aviation.* Dubuque, IA: Kendall Hunt. ISBN: 0757564844 | | |
| ***Refereed Conference Proceedings*** | | | | |
|  | | Okal, A. & Kearns, S. K. (2018). Managing the pilot shortage – A sustainability perspective. *National Training Aircraft Symposium*. Daytona Beach, FL: Embry-Riddle Aeronautical University. | | |
|  | | Kearns, S. (2014). The role of e-learning in competency-based aviation training. In *Aero 13 60th Aeronautics Conference and Annual General Meeting of the Canadian Aeronautics and Space Institute*. Toronto, ON: Canadian Aeronautics and Space Institute. | | |
|  | | Kearns, S. (2012). Exploring the use of “snap-courses” for mobile aviation safety training. In *Proceedings from* *UAA Research Roundtable*. Murfreesboro, TN: University Aviation Association. | | |
|  | | Rhodes, W., Kearns, S., & Anderson, G. (2011). A college-based research program investigating the effectiveness and specific use of simulation in flight training. In *Aero 11 58th Aeronautics Conference and Annual General Meeting of the Canadian Aeronautics and Space Institute*. Montreal, QC: Canadian Aeronautics and Space Institute. | | |
|  | | Kearns, S. (2009). e-CRM: The advantages and challenges of computer-based pilot safety training. In *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting* (pp. 1569-1573). Santa Monica, CA: Human Factors and Ergonomics Society. | | |
|  | | Kearns, S. (2008). E-Learning: The future of crew resource management training. In *Proceedings of European Association of Aviation Psychology Conference*. Valencia, Spain: European Association of Aviation Psychology. | | |
| ***Aviation/Trade Publications*** | | | | |
|  | | Kearns, S. (2018). The fundamentals of the air transport system. *ICAO Training Report*, 8(2), 4-6. <https://www.icao.int/publications/journalsreports/2018/TrainingReport-2018-n2-digital.pdf> | | |
|  | | Kearns, S. (2018). In the jumpseat: Training the next generation of aviation professionals. *Skies Magazine*. <https://www.skiesmag.com/news/training-the-next-generation-of-aviation-professionals/> | | |
|  | | Kearns, S. (2018, August 10). Canada’s aviation industry faces existential headwinds – and that affects you. *Macleans Magazine*. Retrieved from <https://www.macleans.ca/opinion/canadas-aviation-industry-faces-existential-headwinds-and-that-affects-you/> | | |
|  | | Kearns, S. (2018). ACI World contributes to textbook to support the next generation of aviation professionals. *ACI World Newsletter*. | | |
|  | | Kearns, S. (2017). Attracting and informing the next generation of aviation professionals with the fundamentals of air transport. *ICAO Training Report, 7*(3), 10-13. | | |
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|  | | Kearns, S. (2017). Teaching to competence: Myths and solutions. *ICAO Training Report,* 7(1), 7-10. | | |
|  | | Kearns, S. (2016). Meeting the future need for ATC professionals: Youth programs and competency-based education. *The Journal of Air Traffic Control (2), 23*. | | |
|  | | Kearns, S. (2015). The future of technology in aviation training. *ICAO Training Report*, 5(1), 8-11. | | |
|  | | Kearns, S. (2014). Teaching with technology – Top 4 trends. *CAT: The Journal for Civil Aviation Training, 2014*(4), 24-28. | | |
|  | | Kearns, S. (2013). Recognizing the good, bad, and ugly: The four ‘generations’ of e-learning. *CAT: The Journal for Civil Aviation Training, 2013*(1), 14-15. | | |
|  | | Kearns, S. (2012). Single-pilot resource management competencies. *Transport Canada Aviation Safety Letter, 2012*(4), 7-10*.* | | |
|  | | Kearns, S. (2012). Mobile ‘snap-courses’. *CAT: The Journal for Civil Aviation Training, 2012*(5), *24-28.* | | |
|  | | Kearns, S. (2011). e-Learning in aviation. *CAT: The Journal for Civil Aviation Training, 2011*(2), 38-42. | | |
| ***Doctoral Dissertation*** | | | | |
|  | | Capella University, 2007  *The effectiveness of guided mental practice in a computer-based single pilot resource management (SRM) training program* | | |
| ***Master’s Thesis*** | | | | |
|  | | Embry-Riddle Aeronautical University, 2002.  *The performance effects of a low dose of caffeine on a cognitive vigilance task* | | |
| **Presentations** | | Kearns, S. (2018, December). *Setting the stage: Innovative educational environments*. ICAO 5th Global Aviation Training and Trainair Plus Symposium, Doha, Qatar. | | |
|  | | Kearns, S. (2018, November). *Best practices when structuring online pilot training*. Air Transport Association of Canada (ATAC), Vancouver, BC. | | |
|  | | Kearns, S. (2018, November). *The next generation of teaching and learning strategies for the aviation maintenance industry*. Ontario Aircraft Maintenance Engineer Conference, Mississauga, ON. | | |
|  | | Kearns, S. (2018, October). *Managing the pilot shortage within business aviation*. National Business Aviation Association (NBAA) Business Aviation Convention and Exhibition, Orlando, FL. | | |
|  | | Kearns, S. (2018, September). *Writing your textbook or academic monograph*. University Aviation Association (UAA) Conference, Dallas, TX. | | |
|  | | Kearns, S. (2018, August). *The role of textbooks in supporting aviation education*. National Training Aircraft Symposium (NTAS), Daytona Beach, FL. | | |
|  | | Kearns, S. (2018, August). *Moderator: Flight training*. National Training Aircraft Symposium (NTAS), Daytona Beach, FL. | | |
|  | | Kearns, S. (2018, June). *Pilot supply and competency-based training*. Canadian Business Aviation Association (CBAA) Convention, Kitchener, ON. | | |
|  | | Kearns, S. (2017, November). *Aviation careers from the students’ perspective (moderator/organizer)*. International Civil Aviation Organization (ICAO) Next Generation of Aviation Professionals (NGAP) Global Summit, Montreal, QC. | | |
|  | | Kearns, S. (2017, November). *Meeting the needs of industry – attracting, recruiting, and retaining the Next Generation of Aviation Professionals (NGAP): Highlights of a global initiative*. Air Transport Association of Canada (ATAC), Montreal, QC. | | |
|  | | Kearns, S. (2017, November). *Using competency-based methods and free teaching technologies to improve the effectiveness of classroom instruction*. Air Transport Association of Canada (ATAC), Montreal, QC. | | |
|  | | Kearns, S. (2017, May). *Harnessing the power of new learning environments*. World Airline Training Symposium (WATS), Orlando, FL. | | |
|  | | Kearns, S. (2016, December). *International aviation: Attracting and educating the Next Generation*. International Civil Aviation Organization (ICAO) Next Generation of Aviation Professionals (NGAP) Symposium, Montreal, QC. | | |
|  | | Kearns, S. (2016, September). *Moderator: Best Practices in Collegiate Aviation*. University Aviation Association (UAA), Omaha, Nebraska. | | |
|  | | Kearns, S. (2016, September). *The rise of competency-based education in aviation*. University Aviation Association (UAA), Omaha, Nebraska. | | |
|  | | Kearns, S. (2016, May). *A focus on the next generation: Recruitment and education strategies to attract aviation professionals*. Air Line Pilots’ Association, Herndon, VA. | | |
|  | | Kearns, S. (2016, April). Emerging trends in training technologies. World Airline Training Symposium (WATS), Orlando, FL. | | |
|  | | Kearns, S. (2016, January). *Moderator: Training and education*. A3ir Conference, Phoenix, AZ. | | |
|  | | Kearns, S. (2016, January). *Diversity and its impact on an Industry-wide employment shortage.* A3ir Conference, Phoenix, AZ. | | |
|  | | Kearns, S. (2015, June). *What is competence? The next generation of aviation professionals.* Canadian Women in Aviation (CWIA) Conference, Waterloo, ON. | | |
|  | | Kearns, S. (2014, December). *How will aviation professionals learn in the future?* International Civil Aviation Organization (ICAO) Next Generation of Aviation Professionals (NGAP) Symposium, Montreal, QC. | | |
|  | | Kearns, S. (2014, April). *Mobile technology and e-learning for air carriers.* World Aviation Training Symposium (WATS), Orlando, Florida. | | |
|  | | Kearns, S. (2013, November). *Snap-courses: An instructional design strategy for aviation mobile learning.* University Aviation Association (UAA), San Juan, Puerto Rico. | | |
|  | | Kearns, S. (2013, November). *Research roundtable – The impact of snap-courses on pilot safety knowledge and attitudes.* University Aviation Association (UAA), San Juan, Puerto Rico. | | |
|  | | Kearns, S. (2013, October). *Special panel on training technologies and techniques.* European Aviation Training Symposium (EATS), Berlin, Germany | | |
|  | | Kearns, S. (2013, May). *The role of e-learning in competency-based aviation training.* Canadian Aeronautics and Space Institute (CASI), Toronto, ON. | | |
|  | | Kearns, S. (2013, April). *e-Learning in aviation*. International Civil Aviation Organization (ICAO) Trainair Plus Symposium, Bali, Indonesia. | | |
|  | | Kearns, S. (2013, February). *e-Learning in aviation*. International Civil Aviation Organization (ICAO) Trainair Plus Symposium, Monetgo Bay, Jamaica. | | |
|  | | Kearns, S. (2012, November). *Exploring how ‘smart’ electronic learning could revolutionize pilot training.* Air Transport Association of Canada (ATAC) – Annual General Meeting (AGM), Vancouver, BC. | | |
|  | | Kearns, S. (2012, September). *Exploring the use of “snap-courses” for mobile aviation safety training.* University Aviation Association (UAA), Murfreesboro, Tennessee. | | |
|  | | Kearns, S. (2012, September). *Exploring the experiences of pilots within Canadian general aviation flight operations*.University Aviation Association (UAA), Murfreesboro, Tennessee. | | |
|  | | Kearns, S. (2012, September). *e-Learning in aviation*. International Civil Aviation Organization (ICAO) Trainair Plus Symposium, Singapore. | | |
|  | | Kearns, S. (2012, April). *Mobile learning: Using snap-courses to improve safety skills.* World Aviation Training Symposium (WATS), Orlando, Florida. | | |
|  | | Kearns, S. (2011, November). *Moderator: Aircraft fleet renewal planning.* Airline Finance Conference, Toronto, ON. | | |
|  | | Kearns, S. (2011, November). *Innovation through simulation: Enhancing Canada’s next generation of pilots – Research Update.* Air Transport Association of Canada (ATAC) – Annual General Meeting (AGM), Montreal, QC. | | |
|  | | Kearns, S. (2011, October). *e-Learning innovations: Rethinking aviation and aerospace training.* Canadian Council for Aviation and Aerospace (CCAA), Winnipeg, MB. | | |
|  | | Kearns, S. (2010, November). *Rethinking pilot training: Practical research-based suggestions to improve efficiency*. Air Transport Association of Canada (ATAC) – Annual General Meeting (AGM), Vancouver, BC. | | |
|  | | Kearns, S. (2010, November). *Innovation through simulation: Enhancing Canada’s next generation of pilots – Research update*. Air Transport Association of Canada (ATAC) – Annual General Meeting (AGM), Vancouver, BC. | | |
|  | | Kearns, S. (2010, October). *Best practices: e-Learning within collegiate aviation.* University Aviation Association (UAA), Minneapolis, Minnesota. | | |
|  | | Kearns, S. (2010, October). *Research roundtable – The impact of phase zero: Improving student skill progression through strategic incorporation of flight simulator instruction.* University Aviation Association (UAA), Minneapolis, Minnesota. | | |
|  | | Kearns, S. (2010, October). *Guided mental practice: An instructional strategy for asynchronous e-learning of pilot skills.* University Aviation Association (UAA), Minneapolis, Minnesota. | | |
|  | | Kearns, S. (2009, November). *Canadian aviation*. Air Transport Association of Canada (ATAC) – Annual General Meeting (AGM), Quebec City, QC. | | |
|  | | Kearns, S. (2009, November). *Innovation through simulation: Enhancing Canada’s next generation of pilots.* Air Transport Association of Canada (ATAC) – Annual General Meeting (AGM), Quebec City, QC. | | |
|  | | Kearns, S. (2009, October). *e-CRM: The advantages and challenges of computer-based pilot safety training*. Human Factors and Ergonomics Society (HFES) Annual Meeting, San Antonio, Texas. | | |
|  | | Kearns, S. (2008, October). *e-Learning: The future of crew resource management training.* European Association of Aviation Psychology (EAAP), Valencia, Spain. | | |
|  | | ***Workshop*** | | |
|  | | Kearns, S. (2018, March). *Tips on writing your textbook*. Singapore Airlines Operations and Training Symposium, Singapore. | | |
|  | | Kearns, S. (2017, September). *Writing your college textbook or academic monograph* (Role: Organizer and Presenter). University Aviation Association Annual Meeting, Riverside, CA. | | |
|  | | Kearns, S. (2016, April). *Student Education and Careers in Aviation (Role: Organizer and Moderator)*. World Airline Training Symposium (WATS), Orlando, FL. | | |
|  | | Kearns, S. (2011, November). *Instructional design principles for flight training.* Air Transport Association of Canada (ATAC) Annual General Meeting (AGM), Montreal, QC. | | |
|  | | ***Invited Keynote Address*** | | |
|  | | Kearns, S. (2019, February). Women in aviation. Waterloo Probus Club, Waterloo, ON. | | |
|  | | Kearns, S. (2019, January). Women in aviation: Celebrating Amelia Earhart. Zonta International, Waterloo, ON. | | |
|  | | Kearns, S. (2018, June). *Invited commencement address and induction into ‘Graduate Hall of Fame’*. Peninsula Shores District School, Wiarton, ON. | | |
|  | | Kearns, S. (2018, March). *Women in aviation*. Winged Warriors Chapter of Women in Aviation, Breslau, ON. | | |
|  | | Kearns, S. (2018, March). *The strengths and weaknesses of competency-based education in aviation.* Singapore Airlines Operations and Training Symposium, Singapore. | | |
|  | | Kearns, S. (2017, March). *Be bold for change: Celebrating international women’s day.* Women’s Centre of Owen Sound charity fundraising breakfast, Owen Sound, ON. | | |
|  | | Kearns, S. (2012, January). *Beyond technical skills: Practical strategies to identify, understand, and improve your soft skills.* London Skills Forum, London, ON. | | |
|  | | Kearns, S. (2008, November). *Human factors in Ontario Provincial Police collisions.*  Ontario Provincial Police (OPP) Collision Review Committee Annual Meeting, Barrie, ON. | | |
| **Grants Awarded** | |  | | |
| 2014 | | Natural Sciences and Engineering Research Council of Canada (NSERC) Community College Innovation Fund (awarded to Seneca College)  $250,000 + $25,000 industry donation  ‘Adaptive Learning Computer Platform’ | | |
| 2013 | | Aubrey Dan Program in Management and Organizational Studies research fund  $1,900  *“International Civil Aviation Organization (ICAO) Research Survey”* | | |
| 2012 | | Market Readiness Grant – Ontario Centres of Excellence (OCE)  $50,000  *“m-Safety”* | | |
| 2012 | | Aubrey Dan Program in Management and Organizational Studies research fund  $5,460  *“International Civil Aviation Organization (ICAO) TrainAir Conference & University Aviation Association (UAA) Paper Presentations”* | | |
| 2012 | | Bombardier Aerospace – Direct Research Donation  $10,000 plus $15,000 in-kind  *“m-Safety: Developing a cold weather operations course”* | | |
| 2012 | | Western Innovation Fund  $35,000  *“m-Safety: A mobile app for training pilot safety skills”* | | |
| 2011 | | Aubrey Dan Program in Management and Organizational Studies research fund  $3,700  *“Examining the impact of an instructional design workshop on Canadian flight training units: An action research investigation”* | | |
| 2009-2012\* | | Natural Sciences and Engineering Research Council of Canada (NSERC) Community College Innovation Fund, Collaborator (awarded to Seneca College)  $500,000/year  *“Innovation through simulation: Enhancing Canada’s next generation of pilots”*  Role: Human Factors Project Lead in partnership with Seneca College  \*Note: withdrew from project in Spring of 2012 | | |
| 2008 | | Aubrey Dan Program in Management and Organizational Studies research fund  $4,000  *“e-Learning: The future of crew resource management training”* | | |
| 2007 | | Foundation Western  $50,000  *“The effectiveness of guided mental practice in a computer-based single pilot resource management (SRM) training program”* | | |
| 2007 | | Western Innovation Fund  $5,000  *“The effectiveness of guided mental practice in a computer-based single pilot resource management (SRM) training program”* | | |
| 2007 | | The Aubrey Dan Program in Management and Organizational Studies Research Fund  $8,000  *“The effectiveness of guided mental practice in a computer-based single pilot resource management training program”* | | |
| **Teaching Experience** | |  | | |
| 2018 - Present | | **Sustainable Aviation (GEOG 474/AVIA 315): University of Waterloo**  This course will explore aspects of promoting a sustainable future for the aviation industry. Biofuels, noise and emission reductions will be discussed. A focus will also be on sustainable development, including the No Country Left Behind program and supporting women in aviation.  *Student Evaluation Scores:*  2018 – Course Score 4.2 / 5 Instructor Score 4.7 / 5 | | |
| 2018 - Present | | **Aviation Safety (AVIA 320): University of Waterloo**  A course exploring safety management in aviation as well as human factors-related instructional techniques. A focus will be on students analysing a real-world case and developing a competency statement and training curriculum to target the challenge.  *Student Evaluation Scores:*  2018 – Course Score 5 / 5 Instructor Score 5 / 5 | | |
| 2016 - Present | | **Human Factors in Aviation (AVIA 310): University of Waterloo**  A case study-influenced course emphasizing the need for pilots to recognize and improve interpersonal skills for problem solving and conflict management. Components introduce Crew Resource Management (CRM), the human component of the human-technology interface, and the cumulative act effect.  *Student Evaluation Scores:*  2019 – Course Score 4.3 / 5 Instructor Score 4.7 / 5  2018 – Course Score 4.5 / 5 Instructor Score 4.7 / 5  2017 – Course Score 4.2 / 5 Instructor Score 4.4 / 5 | | |
| 2016 - Present | | **Introduction to Aviation (AVIA 100): University of Waterloo**  This course incorporates a survey of topic areas that impact the aviation industry in Canada. Key areas include aviation history, civil and military aviation, human factors, airspace and air traffic control systems, airport management, and aviation safety. The nature and impact of each of these topics is explored through a combination of lecture, class discussion and activities, and student presentations.  *Student Evaluation Scores:*  2019 – Course Score 4.6 / 5 Instructor Score 4.7 / 5  2018 – Course Score 4.8 / 5 Instructor Score 4.9 / 5  2017 – Course Score 4.7 / 5 Instructor Score 4.8 / 5 | | |
| 2004-2015 | | **Human Factors in Aviation (MOS 3305): University of Western Ontario** | | |
| 2004-2013 | | **Aviation Safety (MOS 4409): University of Western Ontario** | | |
| ***Graduate Supervision*** | | | | |
| Date | Student Name | | Level | Title/*Interest Area* |
| 2018 – Ongoing | Angeline Ram | | PhD | In Progress – *The Sustainability of Aviation Safety* |
| 2017 – Ongoing | Adem Okal | | PhD | In Progress – *The Sustainability of the Pilot Supply* |
| 2017-2018 | Hyun Su Seong | | Masters | Impacts of Atlantic Tropical Cyclones on Major Airports in Florida 2010-2017 |
| ***Undergraduate Supervision*** | | |  |  |
| Date | Student Name | | Title/*Interest Area*  In Progress – *Aviation Sustainability*  Overreliance on automation: A cause and effect analysis of pilot complacency in highly automated aviation environments | |
| 2018 – Ongoing | Jodie Scarrow | |
| 2017 | Cristian Garzon | |
| 2017 | Cody Aron | | Assessing the Impacts of Sleep Deprivation on Performance during Pilot Training | |
| 2016 | Jessalyn Teed | | Best classroom practices for the millennial generation: Pilot shortage in the aviation industry | |
| ***Online Course Development*** | | | | |
| 2018 | | **Human Factors for Maintenance Engineers**  Developed an asynchronous online course in partnership with the Canadian Council for Aviation & Aerospace. Course is 6 modules long, each of approximately 1 hour in duration, exploring aspects of human factors that lead to errors in the aviation maintenance field. | | |
| 2017 | | **Fundamentals of the Air Transport System (FATS) Online Course**  Developed an asynchronous online course, 9 modules long with each approximately 60-90 minutes in duration. Wrote, developed, and provided voice over narration for the course. The course is offered through an MOU partnership between the University of Waterloo and the International Civil Aviation Organization, available at [www.icao.int/fats](http://www.icao.int/fats). | | |
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| **Professional**  **Activities** | |  | | | |
| 2011-Present | | Academic Reviewer   * International Journal of Professional Aviation Training and Testing Research * International Journal of Training Research (Journal) * Journal of Aviation/Aerospace Education and Research * Human Factors (Journal) * Aeronautica (Journal) * Collegiate Aviation Review (Journal) * Routledge (Aviation Trade Books) * Canadian Aeronautics and Space Institute (CASI) Aero Conference (2011, 2012) (Conference Abstract/Presentation Reviewer) * SSHRC grant agency (Funding Reviewer) | | | |
| **Committee Membership** | |  | | | |
| ***External*** | |  | | | |
| 2016 - Present | | International Civil Aviation Organization’s (ICAO’s) Next Generation of Aviation Professionals (NGAP) programme – Committee Member/Vice-Chair of Outreach | | | |
| 2015 | | University Aviation Association Executive Director Search Committee – Chair | | | |
| 2013-2014 | | Aviation Industry Computer-Based Training Committee – Executive Committee | | | |
| 2012-2015 | | University Aviation Association Distance Learning Committee – Chair | | | |
| ***Internal***  **University of Waterloo** | |  | | | |
| *2016-Present*  2016-2018 | | *Committee on Undergraduate Recruitment – Member*  *Faculty Council – Member* | | | |
| **Media Relations** | |  | | | |
| May 3, 2018 | | *Suzanne Kearns has found her calling, encouraging and educating future pilots.* Article profiling personal, professional, and academic background. <https://www.therecord.com/news-story/8587431-suzanne-kearns-has-found-her-calling-encouraging-and-educating-future-pilots/> | | | |
| November 7, 2017 | | *Free online course aims to address aviation staffing shortfall.* Article discussing the ICAO/Waterloo Fundamentals of the Air Transport System course. <https://www.cbc.ca/news/canada/kitchener-waterloo/free-online-aviation-course-university-of-waterloo-1.4392948> | | | |
| June 23, 2017 | | *Competency-Based Training: The future of the aviation industry?*  A conference presentation delivered at WATS 2017 was adapted into a blog article by the [Journal for Civil Aviation Training.](https://www.civilaviation.training/pilot/competency-based-training-future-aviation/) | | | |
| April 11, 2017 | | *Trade vs. Textbooks: 6 Key Takeaways from my Experiences*  Textbook & Academic Authors Association Blog ‘Abstract on Textbook and Academic Writing’. Guest blog post at blog.taaonline.net | | | |
| February 27, 2017 | | *Low Fare and Regional Airlines (LARA) Magazine*  Interviewed by Rick Adams for an upcoming article on best practices in e-learning for airlines. | | | |
| October 22, 2016 | | *CAT: The Journal for Civil Aviation Training (2016 Volume 6)*  Quoted within Article titled “Mentoring: A Guiding Hand” pp 12-15. | | | |
| June 21-27, 2016 | | *Flight International Magazine, Working Week*  Work Experience: Suzanne Kearns  Research and teaching in harmony | | | |
| March 26-27, 2015 | | *CBC, Global News, CBC Radio, National Post*  Multiple articles and interviews associated with aviation human factors (and mental health implications) in connection to the Germanwings accident associated with suicide by pilot | | | |
| August 6, 2008 | | *Western News*  New flight training tool boosts safety. | | | |
| August 6, 2008 | | *London Free Press*  UWO course trains pilots online. | | | |
| August 10, 2008 | | Rogers TV  First Local TV Interview – “Online Pilot Safety Training” | | | |
| August 11, 2008 | | CFOS Radio  Live 30 minute interview – “Online Pilot Safety Training” | | | |
| September 25, 2008 | | CBC Radio  *Sounds Like Canada*, CBC National Radio Show, 1 hour interview – “Aviation Safety” | | | |
| November 2, 2008 | | CanWest National News Service  No rules saying stranded passengers have to come off planes: Access documents. | | | |
| February 26, 2009 | | CBC Radio News Morning – Edmonton  Pre-taped 10 minute interview discussing pilot error and aviation accidents | | | |
| February 26, 2009 | | CBC Radio – Calgary  15 minute live interview discussing aviation safety | | | |
| February 26, 2009 | | CBC Radio – Prince Rupert  Pre-taped 10 minute interview discussing aviation accidents and cost-cutting | | | |
| February 26, 2009 | | CBC Radio – Vancouver  15 minute live interview discussing aviation safety | | | |
| July 2, 2009 | | Hildebrandt, Amber, CBC News  Recorded interview – “Aviation safety: How safe is flying?” | | | |
| August 15, 2009 | | AM 570 News – Kitchener  30 minute live interview discussing aviation accident statistics | | | |