

# Amanda Lannan, Ph.D.

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## EDUCATION

Ph.D. 2021  
*University of Central Florida*, Orlando, Florida  
Education; Exceptional Education

M.A. 2003  
*University of Central Florida*, Orlando, Florida  
Exceptional Education, Varying Exceptions Track

B.A. 1997  
*University of Central Florida*, Orlando, Florida  
Organizational Communication

## CERTIFICATION

- Florida Professional Teaching Certificate (DOE #944751): Special Education, (Grades K - 12)
- Elementary Education, (Grades K - 6)
- Teacher of the Visually Impaired, (Grades K – 12)
- English Speakers of Other Languages (ESOL) Endorsement
- ADL 5000: Certification to facilitate online learning.

## PROFESSIONAL WORK EXPERIENCE

*University of Kentucky, Lexington, Kentucky*  
Clinical Assistant Professor for Visual Impairment Program, June 2021 – Present  
Teach graduate level, hybrid courses, in the visual impairment teacher preparation program.

*University of Central Florida, Orlando, Florida*  
*College of Community Innovation and Education, STE*  
*Dr. Rebecca Hines and Dr. Lisa Dieker*  
Graduate Research Associate, LEAD-IT, 2017 – 2021  
Research and develop projects to improve equitable opportunities for students with and without disabilities to access STEM education.

*Lighthouse Central Florida, Orlando, Florida*  
Lead Teacher of the Visually Impaired, 2016 – 2018

*Princeton Elementary, Orange County Public Schools, Orlando, FL*  
First Grade Teacher, 2016 – 2017

*Princeton Elementary, Orange County Public Schools, Orlando, FL*  
Special Education Teacher, 2005 – 2016

## TEACHING

### Courses Taught at the University of Kentucky

#### Braille Code I:

This course is designed to teach the literary braille code. Students become proficient in transcribing both uncontracted and contracted braille with correct formatting, using a slate and stylus, Perkins Brailler, and on the computer with six-key entry. Techniques for reading braille both tactually and visually are taught with current resources in the field. Students develop an understanding of how the Braille code has historically evolved.

#### Assistive Technology for Students with Visual Impairments:

This course introduces a wide variety of technologies for people who are blind or visually impaired. Students learn about Universal Design for Learning (UDL) as it relates to technology, as well as proprietary software and hardware. Technologies covered include, but are not limited to: Screen readers, screen magnification, electronic note takers, refreshable braille displays, braille translation programs, magnification hardware, scanning and OCR programs, and accessible digital book options. Various computers, tablets, and smart phone options are explored. Instructional strategies for teaching technology skills are emphasized.

#### Introduction to Visual Impairments:

An introduction to the educational programs and services for students with blindness and visual impairments. Content of this course focuses on the historical foundation of the field, the developmental and psychosocial aspects of individuals with visual impairments, and gives an overview of legislation, influential agencies, and service delivery methods. The impact of vision loss on early childhood development is also discussed.

#### Visual Impairments and Multiple Disabilities:

This course is designed to provide students with knowledge and skills necessary to design and implement programs for persons who have visual impairments and additional disabilities. Topics include assistive technology, augmentative and alternative communication, literacy instruction, sensory processing, adaptive behavior, and self-help skills, with a focus on adaptations that enhance functioning for persons with developmental delays, autism, medical conditions, deaf-blindness, communication disorders, and those with common syndromes and eye disorders related to multiple disabilities.

#### Assessment of Students with Visual Impairments:

This course covers various types of assessments used to evaluate students who are blind or visually impaired. Testing and assessment including the development of standardized tests and

their applicability for individuals with visual impairments, and alternate assessments are discussed. Students practice assessing and planning educational programs for students with visual impairments by completing a Functional Vision/Learning Media Assessment, as well as assessments in assistive technology and the Expanded Core Curriculum.

Teaching Methods for Students with Visual Impairments:

This course has been designed to provide students with opportunities to acquire skills, knowledge, conceptual understanding, classroom experience, and practice teaching in their preferred content area(s).

Student Teaching/Field Experience in Visual Impairments:

This course culminates the teacher of the visually impaired preparation program in a supervised student teaching/field experience, working with children, preschool through graduation age, who are blind or visually impaired. Candidates apply best practices for working with children who are blind or have low vision, including those with additional disabilities. Successful completion of this course demonstrates the candidate's ability to apply methods of teaching that include assessment, program planning and implementation, appropriate environmental and academic modifications, in addition to instruction in the Expanded Core Curriculum by demonstrating their ability to appropriately employ classroom and/or caseload management strategies based on their placement.

Student Teacher Supervision and Field Experience:

Graduate level teachers of the visually impaired in K-12 settings across Kentucky and surrounding states.

**Courses Taught at the University of Central Florida**

Seminar: Critical Issues in Special Education:

An examination of research and current literature dealing with some of the critical issues in all areas of special education.

Teaching Exceptional Students:

Undergraduate course focused on the development and practice of effective teaching and management strategies for regular elementary classroom teachers to use in working with students with disabilities.

Methods for Academic Skills for Exceptional Students:

Undergraduate course focused on teaching strategies, instructional materials, and monitoring techniques for children and adolescents with disabilities.

Techniques for Teaching Exceptional Adolescents and Adults:

Undergraduate course focused on the study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs.

Student Teacher Supervision:

Undergraduate level Secondary Education internship at high needs schools.

## PUBLICATIONS

### Books

Moore, E., Walker, B., Volkder, S., LaPierre, C., Wadors Verne, L., Webster, A., Boyel, D., Dieker, L., D'Mello, S., Gorlewicz, J., Harnum, A., Konecki, M., Ladner, R., Lannan, A., Lewis, C., Schepers, D., Bui, A., Ciras, S., Siu, A. F., & Stefik, A. (2020). *Diagram Reports*. Benetech. <https://www.bookshare.org/browse/book/3800695?returnPath=L3NIYXJjaD9tb2R1bGVVOYW1lPXBlYm91YyZrZXI3b3JkPTk3OC0wLTU3OC04NDkzOS0z>

### Book Chapters

Lannan, A., *Mathematical Synergy: Unlocking the Potential of Teacher Collaboration – Accessible Mathematics*, American Printing House for the Blind (in press).

Smith, D.; Lannan A.; *Measurement – Accessible Mathematics*, American Printing House for the Blind (in press).

Dieker, L. A. & Lannan, A. (2022). The status of the field for access and equity in mathematics for learning differences. In Y. Ping, R. Tzur, & H. Thouless (Ed.), *Enabling Mathematics Learning of Struggling Students: International Perspectives*, Springer.

### Selected Journal Articles (refereed)

Dieker, L. A., Greer, M. & Lannan, A. (2022) Seven equity ideas for students with language-based needs in mathematics, *Middle School Journal*, 53:5, 33-39, DOI: 10.1080/00940771.2022.2119758

Lannan, A., Chini, J. J., & Scanlon, E. (2021). Resources for supporting students with and without disabilities in your physics courses. *The Physics Teacher*, 59(3), 192-195.

Lannan, A. (2019) A Virtual Assistant on Campus for Blind and Low Vision Students. *Journal of Special Education Apprenticeship*, 8(2), 1-14.

### Other Publications

Dieker, L. A., Rock, M., Billingsley, B., Ryndak, D., Leko, M., Davis, T., Cartagena, S., Lannan, A., Glavey, E., & Romualdo, A. (Eds). (2019). *The role of systems thinking and change in ameliorating the special education workforce crisis, improving preparation and support, and fortifying the pipeline to improve outcomes for students with disabilities: Research, policy, and practice*. Proceedings from 2019 AERA Research Mini-Conference. Greensboro, NC.

Lannan, A., (Fall, 2019). The Book Nook: Practicing Presence. [Book review of *The Blind Teacher*, by L. J. Lucas]. *The American Association of Blind Teachers*, An affiliate of the American Council of the Blind, <http://blindteachers.net>, Fall 2019, Vol 41

Dieker, L. A. & Lannan, A. (2018). *Augmented and Virtual Reality in Education*, The DIAGRAM Center 2018 Report, Benetech.

## PRESENTATIONS AT PROFESSIONAL CONFERENCES

### National Conferences

- Lannan, A. (2023, April) The NCTM and CEC Collaboration: The Marriage of Mathematics and Special Education. Presented at the National Council of Teachers of Mathematics virtual conference.
- Kohnke, S., Dougherty, B., & Lannan, A. (2023 March), Special Education and Mathematics Education Collaboration: A NCTM and CEC Initiative. Invited Presenters at the Council for Exceptional Children, Louisville, KY.
- Lannan, A. (2023, March) Understanding Discourse of Co-Teachers in Middle School Inclusive Mathematics Classrooms. Presented at the Council for Exceptional Children, Louisville, KY.
- Lannan, A. (2023, March) Teaching Literature Using Tactile Symbols. Presented at the Council for Exceptional Children, Louisville, KY.
- Lannan, A. (2023, March) Make Your Own Portable Lumbar Using a Simple, Tactile Lacing System and Bring Comfort Wherever You Go. Presented at the Council for Exceptional Children, Louisville, KY.
- Lannan, A. (2020, April). The Future Starts Now. Invited Presenter at the Families of Children with Complex Needs; Inclusive of Medical, Behavioral, Sensory and Communication Challenges, Teleconference.
- Lannan, A. (2019, November). Preparing ADA Compliant Conference Handouts. Invited Presenter at the Teacher Education Division of the Council Exceptional Children Annual Conference, New Orleans, LA.
- Lannan, A. (2019, July). Teaching Physics: Lowering Access Barriers Using Universal Design for Learning. Invited Presenter at American Association of Physics Teachers, Provo, UT.
- Lannan, A. (2019, February). AIRA Enhances the College Experience. Presented at the Council for Exceptional Children, Indianapolis, IN.
- Lannan, A. (2018, November). A Phenomenological Study of How Adults with Visual Impairments Use Augmented Reality. Presented at the Teacher Education Division of the Council Exceptional Children Annual Conference, Las Vegas, NV.
- Lannan, A., Kurtz, B. (2018, November). Innovative Solutions for Closing the Mathematical Achievement Gap for Students Who Are Visually Impaired. Presented at the Teacher Education Division of the Council Exceptional Children Annual Conference, Las Vegas, NV.
- Schreffler, J., Lannan, A. (2018, November). Accessible Syllabi in Five Steps Using Universal Design for Learning. Presented at the Teacher Education Division of the Council Exceptional Children Annual Conference, Las Vegas, NV.
- Romualdo, A., Glavey, E., & Lannan, A. (2018, February) Preservice teacher perceptions of students with disabilities in inclusive environments. Presented at the annual meeting of the Council for Exceptional Children, Tampa, FL.

### Regional/State Conferences

- Brostek-Lee, D., Lannan, A. (2023, March) Breaking Down Barriers with Google Docs Accessibility Features. Presented at KAER 2023, Berea, KY.

- Lannan, A. (2022, March) Augmented and Virtual Realities-Changing the Landscape of Education for BVI Students. Presented at KAER 2022, Berea, KY.
- Westley, J., Scanlon, E., Lannan, A., Chini, J.J. (2019, March) Reflecting on STEM lessons through a UDL lens. Presented at UDL-IRN 2019 International Summit, Orlando, FL.

### **Invited Talks, Workshops, and Seminars**

- Lannan, A. (2023, October) A Recipe for Successful Collaboration. An invited presentation at the University of Alabama, Huntsville.
- Lannan, A. (2023, April) Beyond Possible. An invited presentation at the Lexington Lion's Club.
- Lannan, A. (2023, March) Services for Students with Disability. A guest lecturer at the University of Kentucky, College of Education for the class EDS 546.
- Lannan, A. (2022) "Technically Speaking" The Internet is for Everyone, CATalyze Education Talks. University of Kentucky College of Education.
- Lannan, A. (2022) Discourse within Disabled Communities, Contemporary Issues in Education, Randolph-Macon College.
- Lannan, A. (2022) Future Projections, Parent Engagement Workshop, Florida School for the Deaf and Blind.
- Lannan, A. (2019, June) Mindset Matters: *STEM is Possible*. Presented at UCP Summer Institute, Orlando, FL.
- Lannan, A., & Glavey, E. (2018, March) *Self-determination: Definition & core components*. Webinar presented as part of EEX 4070 Professional Development Series, Orlando, FL.
- Lannan, A. & Hopkins, R. (2017, October) Using Technology in Today's Classrooms. KnightED Talk, Orlando, FL.
- Lannan, A. (2017, September) Turning Dreams into Reality. Down Syndrome Foundation – Parent Session, Orlando, FL.

### **Grants Submitted**

- University of Kansas, Pop 'n Data: Accessible Data Analytics Partnership Development Grant. (January 2, 2024)

### **New and Continuing Grants Received**

- Lannan, A. (2023). Kentucky School for the Blind Charitable Foundation XMO 2024. Charitable Foundation Grant. Funded \$8,000.
- KY Department of Vocational Rehabilitation, OVR/UK DeafBlind Summer – Administrative Services, All Kinds, Co-Investigator, \$0.00 funded, \$168,957.00 total, Co-Investigator. (July 1, 2023 - June 30, 2024).
- KY Department of Education, Teachers of Visually Impaired and Orientation and Mobility, Co-Investigator, \$0.00 funded, \$659,634.00 total, Co-Investigator. (July 1, 2023 – June 30, 2024).

### **Other Funded Projects**

- Lannan, A. (2022). Kentucky School for the Blind Charitable Foundation XMO 2023. Charitable Foundation Grant. Funded \$8,000.
- Dieker, L., Vasquez, E., & Taub, M. (2018). (Lannan, A. - Member of Grant Writing Team). *Preparing next generation special education leadership scholars: Lead Next*. Department of Education Office of Special Education and Rehabilitation Services. Award number H325D180102. \$1,250,000.

Marino, M., Vasquez, E., & Dieker, L. (2018). (Lannan, A. - Member of Grant Writing Team). *Technology enhanced learning enabled by partner organizations, research, and teaching success: TELEPORTS*. Department of Education Office of Special Education and Rehabilitation Services. Award number H325D180022. \$1,250,000.

### PROFESSIONAL SERVICE

#### National

2023 Office of Special Education Programs, Grant Reviewer  
 2022 DRK – 12, Grant Reviewer  
 2022 Special Education and Mathematics Education Collaboration: A NCTM and CEC Initiative.  
 2021 – Current Committee Member Association for Education and Rehabilitation of the Blind and Visually Impaired (AER).  
 2020 – 2022 OSEP TA&D and DB Program Performance Measurement for the Center to Improve Program and Project Performance  
 2019 Disability Focus Group for Council Exceptional Children.  
 2018 Consultant on Conference Accessibility, Council Exceptional Children.  
 2018 Special Education Legislative Summit, Washington, DC.  
 2018 STEM EQ National Federation of the Blind, Baltimore, MD.

#### State

2023 – Current Mayer appointed Access Lexington Commission Committee Member  
 2022 – Current Board Member, Kentucky Association for Education and Rehabilitation of the Blind and Visually Impaired (KAER).  
 2017 – 2021 I Can! The Learning Program, Facilitator, Down Syndrome Foundation of Florida.  
 2017 – 2018 School-Based Behavior Intervention Room Facilitator, Lake Weston Elementary.  
 2016 – 2019 Fundraiser Committee Member, Southeastern Guide Dogs, Bradenton, Florida.  
 2010 – 2019 Braille Challenge Judge, National Braille Challenge, Orlando, Florida.  
 2012 – 2017 Paws for a Cause Founder

#### University/College

2023 – Present Disability Employee Affinity Group, Present Elect  
 2022 – 2023 Search Committee member for Special Title Series Professor in College of Education  
 2022 – 2023 Search Committee member for Assistant Professor in College of Education  
 2022 College of Education Strategic Planning Steering Committee  
 2022 – Current A11Y Consultant, Strategic Development and Compliance, University of Kentucky  
 2022 Faculty Mentor, EdLife  
 2022 – 2023 Kleinert Endowment Committee  
 2018-2019 Association of Doctoral Students in Exceptional Education Vice President, University of Central Florida, Orlando, FL.  
 2017 Resource Facilitator, Florida Post-Secondary Education Program Planning Institute, Florida Center for Unique Abilities.

### SELECTED HONORS AND AWARDS

2022	University of Central Florida, College of Community Innovation and Education, Outstanding Dissertation Award
2020	National Science Foundation's Discovery Research preK-12 CADRE Fellow
2019	Kappa Delta Pi, International Honor Society in Education
2019	Golden Key International Honor Society
2019	Lester N. Mandell Scholarship, Orlando, FL
2019	Floyd Qualls Memorial Scholarship, Rochester, NY
2019	Florida Council of the Blind, Scholarship, Orlando, FL
2018	National Federation of the Blind, Scholarship, Baltimore, MD
2018	Florida National Federation of the Blind Scholarship, Tampa, FL
2018	Greater Orlando Council of the Blind Scholarship, Orlando, FL
2017	Project LEAD IT Scholar, University of Central Florida – Leadership in Exceptional Education Accenting Diversity, Orlando, FL
2014	Rising Star Award, University of Central Florida

### PROFESSIONAL MEMBERSHIPS

2021 – Current	Association for Education and Rehabilitation of the Blind and Visually Impaired (AER).
2021 – Current	Kentucky Association for Education and Rehabilitation of the Blind and Visually Impaired (KAER).
2020 – Current	National Council of Teachers of Mathematics
2019 – 2022	American Association of Colleges of Teacher Education (AACTE)
2019 – 2021	Florida Association of Teacher Educators (FATE)
2017 – 2021	Association for Doctoral Students in Exceptional Education (ADSEE)
2017 – 2021	Florida Council for Exceptional Children (FCEC) Teacher Education Division (TED)
2017 – Current	National Association of Special Education Teachers
2017 – Current	National Educator Association (NEA)
2017 – Current	National Federation for the Blind
2017 – Current	American Council of the Blind
2017 – Current	Florida Council of the Blind
2017 – Current	Greater Orlando Council of the Blind