

# Matthew D. Gromlich, Ph.D.

Louisiana State University Shreveport  
Shreveport, LA 71115

Department of Education  
Matthew.Gromlich@lsus.edu

---

## EDUCATION

---

<b>December 2020</b>	Ph.D.	Curriculum and Instruction Concentration: Mathematics Education <i>University of Nevada, Las Vegas, NV</i>  Dissertation Title: <i>Using the Critical Mathematics Pedagogical Framework to Teach Adult Basic Education Learners: A Transformative Convergent Parallel Mixed Methods Study</i>
<b>August 2019</b>	M.Ed.	Educational Policy and Leadership <i>University of Nevada, Las Vegas, NV</i>
<b>May 2014</b>	M.Ed.	Agriculture and Extension Education <i>North Carolina State University, Raleigh, NC</i>
<b>December 2012</b>	B.S.	Science Education <i>North Carolina State University, Raleigh, NC</i>
<b>May 2012</b>	B.S.	Plant Biology <i>North Carolina State University, Raleigh, NC</i>
	B.A.	Chemistry <i>North Carolina State University, Raleigh, NC</i>
	Minor	Mathematics <i>North Carolina State University, Raleigh, NC</i>

---

## PROFESSIONAL TEACHING AND TRAINING EXPERIENCE

---

### Louisiana State University Shreveport (Shreveport, LA)

*Assistant Professor, Department of Education (August 2021 – Present)*

*Director of PRAXIS Lab, Department of Education (August 2022 – Present)*

Teach undergraduate science, technology, engineering, and mathematics methods courses. Teach graduate technology education and technology leadership courses. Align curriculum to meet CAEP standards. Revamp and revise course curricula to support student learning. Advise 20+ secondary education undergraduate students each semester in order to reduce attrition.

**University of Nevada, Las Vegas (Las Vegas, NV)*****Graduate Assistant, Department of Teaching & Learning (August 2016 – February 2020)***

Taught mathematics remediation courses for the Mathematics Learning Center and Mathematics Methods courses for the Department of Teaching & Learning. Assisted the Mathematics Learning Center in the collection of student data. Held weekly office hours to increase student performance in mathematics remediation courses.

***Instructional Technologist, Online Education (February 2020 – July 2021)***

Liaisoned between Academic Departments, the Office of Online Education, and the Office of Information Technology. Worked with faculty and staff to build capacity for teaching online and hybrid courses. Provided hands-on assistance, information, resources, and training in order to support the use of digital teaching and learning in the classroom.

**College of Southern Nevada (Las Vegas, NV)*****Part-Time High School Equivalency Instructor (July 2013 – July 2021)***

Lead classroom instruction in mathematics and science for adult education students. Created student-specific coursework to target individualized needs. Utilized Google Classroom to foster community within a remote classroom setting. Guided 40+ students in achieving a High School Equivalency certificate with a 95% success rate.

**Clark County School District, Department of Adult Education (Las Vegas, NV)*****High School Equivalency Instructor, Mathematics and Science (April 2014 – June 2018)***

Lead classroom instruction in mathematics, science, and social studies for adult education students. Engaged students in interactive learning through self-created modules and group activities. Created student-specific coursework to target individualized needs. Increased student attendance and participation through structured lesson plans and targeted student improvement initiatives.

**Explore Knowledge Academy Charter School (Las Vegas, NV)*****Secondary Mathematics Teacher (August 2014 – January 2017)***

Instructed over 100 high school students in mathematics – including Algebra 1, Geometry, Algebra 2, Personal Finance, Pre-Calculus, and Math Applications. Created student-specific curriculum to target individualized student needs. Developed and implemented mathematics-related projects across secondary (grade 6-12) curriculum. Implemented interventions, data tracking, and remediation for underperforming students.

**Triangle Day School Charter School (Durham, NC)*****Sixth Grade Teacher (August 2012 – June 2013)***

Established standard curricula at the middle-school level for Pre-Algebra, Earth and Space Science, Urban Agriculture, Study Skills, Science in the Media, and Puzzled! Guided 33 students in successfully achieving academic proficiency at the sixth-grade level. Managed an 80-student science fair where participants demonstrated scientific literacy outside of the classroom.

---

**CURRICULUM / INSTRUCTIONAL DESIGN**

---

**Aztec Software (Remote)*****Curriculum Designer, Adult Education (June 2017 – January 2022)***

Develop multiple-choice and technology-enhanced items for Aztec's online GED preparation program in the content areas of mathematics and science. Specific content includes: mathematics basics, algebra 1, geometry, chemistry, physical science, and biological science.

***Academic Manager, Mathematics and Science (July 2018 – February 2020)***

Managed a team of 40+ contractors who created content for Aztec Software – specifically in the areas of mathematics and science. Topics included: mathematics basics, algebra 1, geometry, chemistry, physical science, and biological science.

### **Study.com (Remote)**

#### ***Curriculum Developer, Mathematics and Science (May 2017 – August 2018)***

Designed standards-based lessons for teachers to implement within their K-12 and post-secondary classrooms. Specific content includes: lesson plans for Adult Basic Education (ABE) learners, lesson plans for English as a Second Language (ESL) and English Language Learners (ELL), lesson plans for K-12 mathematics instructors, lesson plans for K-12 business and government instructors, and lesson plans for K-12 science instructors.

### **Center for Professional & Leadership Studies, UNLV (Las Vegas, NV)**

#### ***Curriculum Designer, UNLV Gaming Institute (July 2016 – May 2018)***

Individually designed three one-hour modular courses in the area of casino management and interpersonal communication. Co-developed and edited three additional one-hour modular courses in the areas of delegation and coaching. Created multi-modal assessments for course completion and certification. Courses included: *Managing Table Games, Gaming Terminology, Principles of Effective Communication, Delegation, Coaching for Effectiveness, and Service Excellence.*

### **College of Southern Nevada (Las Vegas, NV)**

#### ***Curriculum Developer, Department of Workforce & Economic Development (April 2014 – May 2014)***

Developed a 360-hour course plan covering mathematics, science, social studies, English language, and English literature for the Department of Workforce and Economic Development. Integrated the aforementioned curriculum with the College and Career Readiness Standards of the State of Nevada to ensure student preparedness for the exam, college coursework, and entry into the workforce. Integrated technology into the curriculum by developing a teacher friendly Wikispace and synthesizing modules in Plato Courseware.

---

## **GRANTS**

---

Burrell, T. & Gromlich, M. D. (2021). EDTV 2.0. *LSU Shreveport Faculty Research and Development Grant*. \$4,377.36

Gromlich, M. D. (2021). American Educational Research Association (AERA) Conference Attendance. *LSU Shreveport Faculty Research and Development Grant*. \$1,500.00

---

## **CHAPTERS IN EDITED BOOKS**

---

Gromlich, M. D., & Wiens, P. D. (2022). Adult Education. In R. A. R. Gurung & A. S. Richmond (Eds.) (2022). *Encyclopedia of Psychology in the Real World: Education*. Routledge.  
<https://doi.org/10.4324/9780367198459-REPRW178-1>

---

## **JOURNAL ARTICLES, REFEREED PUBLICATIONS**

---

Gromlich, M. D., & Wiens, P. D. (in progress). Are Preservice Mathematics Teachers Open to New Experiences?

Gromlich, M. D., Wiens, P. D., Olson, T. A., & Whitesides, H. (in progress). Secondary Subject Subcultures: The Presences of Attitudinal Differences Towards Multicultural Education in Preservice Mathematics and Preservice English Teachers.

Gromlich, M. D. (2021). The Critical Mathematics Pedagogical Framework. *Journal of Behavioral and Social Sciences*, 8, 1-12.

Wiens, P. D., & Gromlich, M. D. (2018). Five Years of Video-Based Assessment Data: Lessons from a Teacher Education Program. *Research and Practice in Assessment*.

---

## NATIONAL WEBINAR PRESENTATIONS

---

**Gromlich, M. D.** (2020, May). *Unlock the Power of Aztec's HiSET Program Through Distance Learning*. Presentation for the Educational Testing Service (ETS).

---

## PEER-REVIEWED CONFERENCE PRESENTATIONS AND POSTER SESSIONS

---

Bendixen, L. D., Hernandez-Johnson, M., Foschi, D., Plachowski, T. J., & **Gromlich, M. D.** (2021, April). *Mentoring Mixed Methods Researchers and Methodologists*. Presentation at the meeting of the American Educational Research Association (AERA), Remote.

**Gromlich, M. D.** (2020, February). *The Critical Mathematics Pedagogical Framework (CMPF)*. Presentation at the meeting of Conference for Academic Research in Education (CARE), Las Vegas, NV.

**Gromlich, M. D.**, & Wiens, P. D. (2019, February). *Openness to New Experiences: How Preservice Mathematics Teachers Differ from Their Non-Mathematics Peers*. Poster presented at the meeting of Conference for Academic Research in Education (CARE), Las Vegas, NV.

**Gromlich, M. D.**, & Wiens, P. D. (2018, February). *Preservice Teacher Personalities: Are Personalities Static or Dynamic?* Poster presented at the meeting of Conference for Academic Research in Education (CARE), Las Vegas, NV.

Shi, M. Z., **Gromlich, M. D.**, Zhou, L. L., & Xie, D. Y. (2009, August). *Red callus culture of Arabidopsis as a tool for analyzing the regulation mechanism controlling the function of PAPI transcription factor*. Poster presented at the 49<sup>th</sup> Annual Phytochemical Society of North America Meeting and Symposia. Towson University, Towson, Maryland.

---

## PRACTITIONER CONFERENCE PRESENTATIONS AND POSTER SESSIONS

---

**Gromlich, M. D.** (2020, October). *Unlock the Power of Aztec's HiSET Program Through Distance Learning*. Presentation at the Louisiana Association for Public, Community & Adult Education, Virtual Conference.

**Gromlich, M. D.** (2019, August). *Reducing Math Anxiety for Adult Learners*. Presentation at the Super Consortia California Adult Education Program Professional Development Conference, San Bernardino, CA.

**Gromlich, M. D.** & Wingerd, D. (2019, August). *Blended Learning with Aztec Software*. Presentation at the Super Consortia California Adult Education Program Professional Development Conference, San Bernardino, CA.

**Gromlich, M. D.** (2019, March). *Classroom Activities to Alleviate Mathematics Anxiety in ABE Learners*. Presentation at the Mountain Plains Adult Education Association and the Nevada Adult Educators' Conference, Las Vegas, NV.

**Gromlich, M. D.** (2017, March). *Student Collaboration in Adult Education Mathematics*. Presentation at the Nevada Adult Educators' Conference, Las Vegas, NV.

**Gromlich, M. D.** & Smith, K. (2017, February). *Catapulting into the Next Generation Science Standards*. Presentation at the Southern Nevada Science Teachers Association: Science, It's in Our DNA! Conference, Las Vegas, NV.

---

## LOUISIANA STATE UNIVERSITY SHREVEPORT INSTITUTIONAL SERVICE

---

<b>August 2022 – Present</b>	Ed.D. in Innovation and Systemic Reform Planning Committee <i>Assistant Chair of Quality Assurance and Continuous Improvement Systems</i>
<b>May 2022 – Present</b>	Cyberpsychology Degree Planning Exploratory Committee
<b>February 2022 – Present</b>	CEHD Peer Review Observation Form Review Committee
<b>October 2021 – Present</b>	LSUS Parking Appeals Committee
<b>February 2022 – May 2022</b>	CAEP Accreditation Technology Committee
<b>February 2022 – May 2022</b>	CAEP Accreditation Standard 1 Committee
<b>November 2021 – May 2022</b>	CAEP Accreditation Standard 2 Committee
<b>November 2021</b>	Cyber Collaboratory K-12 Coordinator Search Committee

---

## NON-INSTITUTIONAL SERVICE

---

<b>May 2018 – June 2019</b>	Explore Knowledge Academy <i>Vice President, Board of Directors</i>
<b>December 2017 – June 2019</b>	Mountain Plain Adult Education Association <i>Member, Board of Directors</i>
<b>December 2017 – March 2019</b>	Nevada Adult Educators <i>Member, Board of Directors</i>

---

## JOURNAL AND CONFERENCE SERVICE

---

### **International Society for Technology in Education (ISTE) (*August 2021 – Present*)**

- Reviewer, International Society for Technology in Education (ISTE) Conference Presentations

### **School Science and Mathematics Journal (*November 2020 – Present*)**

- Reviewer, School Science and Mathematics Journal

### **North Carolina State University (*May 2017 – Present*)**

- Reviewer, University Honor's Program (UHP) Applications

### **Research Council on Mathematics Learning (*October 2018 – Present*)**

- Reviewer, Research Council on Mathematics Learning (RCML) Proceedings

---

## PROFESSIONAL ASSOCIATION MEMBERSHIPS

---

### **American Educational Research Association** (*April 2021 – Present*)

- Exp. 31 May 2024

### **Research Council on Mathematics Learning** (*August 2019 – Present*)

- Exp. 31 December 2022

### **Association of North America Higher Education International** (*August 2019 – December 2021*)

### **School Science and Mathematics Association** (*April 2019 – April 2021*)

### **Mountain Plains Adult Education Association** (*July 2018 – February 2021*)

### **Nevada Adult Educators** (*January 2017 – September 2020*)

---

## AWARDS AND HONORS

---

### **UNLV Jean Nidetch Women’s Center Scholarship**

- Fall 2017
- Spring 2018
- Fall 2018
- Spring 2019
- Fall 2019
- Spring 2020
- Fall 2020

### **UNLV Graduate Student Access Grant**

- Fall 2016
- Spring 2017
- Fall 2017
- Spring 2018

### **UNLV Graduate & Professional Student Association Book Scholarship**

- Spring 2018

### **UNLV Professional Development Scholarship Fund**

- Fall 2017

### **UNLV Study Abroad Scholarship**

- Summer 2017

---

## LICENSURE AREAS

---

### **Exp. 2028**

### **Nevada Professional Educators License**

*School Administrator Grades K-12*

*Secondary Biological Science (Highly Qualified – Academic Core) Grades 7-12*

*Secondary Physical Science (Highly Qualified – Academic Core) Grades 7-12*

*Secondary Mathematics Minor (Highly Qualified – Academic Core) Grades 7-12*

*Secondary CTE Agriculture Ed. (Highly Qualified – Academic Core) Grades 7-12*

---

**OTHER CERTIFICATIONS**

---

**March 2021**      Lean Six Sigma Green Belt Certification (AIGPE)

---

**GRADUATE COURSES TAUGHT**

---

<b>Course Number</b>	<b>Course Title</b>	<b>Course Type (Credits)</b>	<b>Semester(s)</b>
CIG 621	Diagnostic Assessment School Mathematics	Mathematics Methods (3 Credits)	Spring 2021
CIS 553S	Teaching Secondary Mathematics	Mathematics Methods (3 Credits)	Fall 2019
ED 780	Educational Technology Applied to the Classrooms	Curriculum & Instruction: Educational Technology (3 Credits)	Summer 2022
ED 785	Technology Leadership in Schools	Educational Leadership (3 Credits)	Summer 2021 Fall 2021 Spring 2022 Summer 2022 Fall 2022
ED 789	Educational Technology Research, Evaluation, and Assessment	Curriculum & Instruction: Educational Technology (3 Credits)	Spring 2022 Fall 2022

---

**UNDERGRADUATE COURSES TAUGHT**

---

<b>Course Number</b>	<b>Course Title</b>	<b>Course Type (Credits)</b>	<b>Semester(s)</b>
ED 430	Principles of Teaching and Learning in Secondary Schools	Secondary Education (3 Credits)	Spring 2022 Fall 2022
ED 435	Materials and Methods in Secondary Sciences	Science Methods (3 Credits)	Fall 2021 Fall 2022
ED 437	Materials and Methods in Secondary Mathematics	Mathematics Methods (3 Credits)	Fall 2021 Fall 2022
EDSC 453	Teaching Secondary Mathematics	Mathematics Methods (3 Credits)	Fall 2019
MATH 95	Elementary Algebra	Mathematics Remediation (3 Credits)	Fall 2017 Spring 2018
MATH 96	Intermediate Algebra	Mathematics Remediation (3 Credits)	Fall 2016 Spring 2017 Fall 2018

---

**UNDERGRADUATE COURSES ASSISTED**

---

<b>Course Number</b>	<b>Course Title</b>	<b>Course Type (Credits)</b>	<b>Semester(s)</b>
HMD 376	Leadership for Women in Hospitality	Hospitality (3 Credits)	Fall 2020
HMD 454	Strategic Management in Hospitality	Hospitality (3 Credits)	Fall 2020 Spring 2021



---

**MIDDLE SCHOOL AND HIGH SCHOOL COURSES TAUGHT**

---

<b>Title</b>	<b>Semester(s)</b>
6 <sup>th</sup> Grade Earth Science	Fall 2012 Spring 2013
7 <sup>th</sup> Grade Physical Science	Summer 2012
Personal Finance	Fall 2015 Spring 2016 Fall 2016 Spring 2017 Fall 2017 Spring 2018
Mathematics Applications	Fall 2015 Spring 2016 Spring 2017 Fall 2017 Spring 2018
Pre-Algebra	Fall 2012 Spring 2013 Spring 2017 Fall 2017 Spring 2018
Algebra 1	Fall 2017 Spring 2015 Spring 2017 Fall 2017
Geometry	Fall 2014 Spring 2015 Fall 2015 Spring 2016 Fall 2016 Spring 2017 Fall 2017
Algebra 2	Fall 2014 Spring 2015 Fall 2015 Spring 2016 Fall 2016
Pre-Calculus	Fall 2015