

Natalie B. Welcome

Personal Statement

At the start of my educational pursuits, I faced tremendous deficiencies in mathematics and science. Today, with thousands of hours of study and practice behind me, I can sincerely encourage all kinds of students to explore the inherent beauty of science, technology, engineering, and mathematics.

Education

Doctor of Philosophy, Curriculum & Instruction – Texas Tech University – Lubbock, TX
January 2013 – August 2016

Master of Arts in Mathematics – Texas Tech University – Lubbock, TX
January 2013 – December 2016

Master of Arts in Teaching – Liberty University Lynchburg, VA
October 2008 – May 2010

Bachelor of Science Industrial Engineering - NC A&T State University, Greensboro, NC
August 1995 – May 2000

Work Experience

Arizona State University, Instructor of Mathematics – Mesa, AZ August 2017-present
Serving as an instructor in the College of Integrated Sciences and Arts, teaching College Algebra, Precalculus, and Calculus. Includes teaching face-to-face and hybrid courses. Course materials include online, instructional videos (some self-made) and other asynchronous resources provided for students through Canvas. Also served as the Secretary for the Faculty Association, recording and maintaining meeting notes/attendance records. Currently developing a study abroad program to explore the history of mathematics in Peru. Work closely with the Office of Disability Resources to maintain compliance with federal and local regulations and to provide every student with optimal opportunity to achieve course completion. Regularly hold office hours and appointment times to assist students outside of classroom time. Also successfully developed a study abroad program, including an online history of mathematics course, focused on the history of mathematics in various countries.

Iñisaġvik College, Assistant Professor of Mathematics – Barrow, AK May 2011-May 2017

Began as Distance Education Coordinator and MOODLE administrator, training faculty and students to teach/study in distance formats. Transitioned to Instructor (2013), and then Assistant Professor of Mathematics (2014). Responsible for developing, scheduling, and teaching math courses (15 credit hours each semester), maintaining office hours, as well as administrative duties, such as committee participation and reporting. Also responsible for adjunct hiring, training, and supervision. Face-to-face, blended, and online courses taught include developmental mathematics courses, College Algebra, Pre-Calculus, Calculus I, History of Mathematics, Probability and Statistics, and business mathematics courses.

University of Phoenix, Adjunct Math Faculty – Phoenix, AZ Dec 2010-Oct 2016

Facilitated an online College Algebra course, utilizing existing course material. Included managing asynchronous discussions, answering content questions, providing detailed scoring/feedback in a timely manner, and general student support. Duties also included regularly completing online training workshops and meetings.

Guilford Technical Community College, Math Adjunct – Jamestown, NC Aug 2010-Aug 2011

Taught developmental mathematics courses. Responsibilities included teaching face-to-face courses, extensive use of MyMathLab, and maintaining out of class assignments in MOODLE.

WSFC Schools/Lexington City Schools, Math Teacher – WS, NC Aug 2006-June 2010

Taught middle/high school mathematics. Included preparing daily lessons for various levels of algebra. Also taught Pre-Calculus and Integrated Mathematics. Developed new curriculum for Technical Mathematics I and II. Required to help prepare students for state exams, primarily serving students with special needs and students speaking English as a second language.

Committee Service

Liberal Arts Division Chair, Iñisaġvik College (2014-2017) – Responsible for arrangement and facilitation of regular meetings, Advisory committee maintenance, degree maintenance, and program assessment reporting.

Academic Council Chair, Iñisaġvik College (2014-2016) – Responsible for arrangement and facilitation of regular meetings regarding oversight of all academic policies – those directly

affecting college-wide curricula. Facilitated review and approval process of new dental hygiene therapist program.

Accreditation Committee Member, Iḷisaġvik College (2015-2017) – Responsible for attending regularly scheduled meetings, staying abreast of current accreditation policies, and disseminating relevant information to other teams. Work supports necessary actions in maintaining institution’s accreditation.

Student Orientation Committee Member, Iḷisaġvik College (2012-2017) – Responsible for a grass-roots establishment of a reliable, informative, sustainable student orientation product as well as perpetually facilitating the event at the start of every fall and spring semester.

Volunteerism

Lions Club of Barrow, AK, Secretary (2015-2017) – Responsible for organizing and attending regularly scheduled meetings, creating and disseminating meeting notes, and serving as a central point of contact for club members. Manage scholarship funding for local high school students and assisted with activities/events that promote the health of the local community.

Imagination Library of Barrow, AK, Secretary (2015-2017) – Responsible for organizing and attending regularly scheduled meetings, creating and disseminating meeting notes, and serving as a central point of contact for club members. Imagination Library promotes early reading among children ages 0-5, providing free access to children’s books and events that make reading accessible while educating parents/guardians about the importance of early learning.

Dissertation and Works in Progress

Welcome, N. (2017, TBA). *Matriculation works: Discovering what works in college algebra classrooms for students in need of math remediation*. Research project focused on best practices for expediting remediation in a college algebra classroom.

Welcome, N. (2016, August). *Matriculate and remediate: An alternative approach to math remediation at a 2-year college*. Dissertation study through Texas Tech University, Lubbock, TX.

Proficient Skills

Course Management Software (Blackboard, MOODLE, CANVAS, etc.)

Microsoft Office Products (Word, Excel, PowerPoint, Outlook)

Distance Education (Video Teleconferencing, Blackboard Collaborate, Flash Video Creation, etc.)

MyMathLab Course Management

Conference Presentations

Welcome, N. *et. al* (2019, October). *The alaskan arctic: integrating iñupiat knowledge and culture with western science education and research practices*. Paper presentation at the Society for the Advancement of Native Americans and Chicanos in Science Conference, Honolulu, HI.

Welcome, N. (2016, February). *An alternative approach to remediation at a tribal college*. Paper presentation at the Southwest Educational Research Association Conference, New Orleans, LA.

Welcome, N. (2013, March). *Providing asynchronous solutions for math remediation needs*. Project presentation at the Department of Education Project Director's Meeting, Washington, D.C.

Welcome, N. (2011, February). *Developing an online math course*. Project presentation at the Alaska Society of Technology in Education (ASTE), Anchorage, AK.

Certificates

Waste Management Certification, North Carolina A&T State University (2000)

Foster Parent Certification (2011), State of North Carolina

Online Instructor Certification (2012), University of Phoenix

Faculty Trainer Certification (2012), Iḷisaġvik College

Copyright Training Certificate (2014), University of Phoenix

References

Dan Wall, Assistant Professor of Social Sciences, Iḷisaġvik College 907-855-0753

Judetta Cowden, Adult Basic Education Coordinator, Iḷisaġvik College 907-852-1742

Linda Nicholas-Figueroa, Assistant Professor of Science, Iḷisaġvik College 410-812-0534