

Mychelle Parker

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Education

University of California - Santa Barbara <i>PhD Mathematics</i>	Santa Barbara, CA 2018–current
Utah State University <i>MS Mathematics</i> Advisor: Ian Anderson	Logan, UT 2016–2019
Utah State University <i>BS Mathematics</i>	Logan, UT 2012–2016

Teaching Experience

As Instructor of Record	
Math 3B: Calculus with Applications	Summer B 2021 (UCSB) <i>Online</i>
Math 3B: Calculus with Applications	Summer B 2020 (UCSB) <i>Online</i>
Math 3B: Calculus with Applications	Summer A 2020 (UCSB) <i>Online</i>
Math 1060: Trigonometry	Summer 2018 (USU) <i>Broadcast</i>
Math 1060: Trigonometry	Spring 2018 (USU) <i>In Person</i>
Math 1060: Trigonometry	Fall 2017 (USU) <i>In Person</i>
Math 1050: College Algebra	Summer 2017 (USU) <i>Broadcast</i>
As a Teaching Assistant	
Math 4A: Linear Algebra with Applications <i>Instructor: Francesc Castella</i>	Fall 2021 (UCSB) <i>In Person</i>
Math 3A: Calculus with Applications <i>Instructor: Ashwin Tarikere</i>	Spring 2021 (UCSB) <i>Online</i>
Math 34B: Calculus for Social and Life Sciences <i>Instructor: Daryl Cooper</i>	Winter 2021 (UCSB) <i>Online</i>
Math 6B: Vector Calculus with Applications <i>Instructor: Nadir Hajouji</i>	Fall 2020 (UCSB) <i>Online</i>
Math 3A: Calculus with Applications <i>Instructor: Thomas Sideris</i>	Fall 2020 (UCSB) <i>Online</i>
Math 4B: Differential Equations <i>Instructor: Peter Garfield</i>	Spring 2020 (UCSB) <i>Online</i>
Math 3A: Calculus with Applications <i>Instructor: Zhirayr Avetisyan</i>	Winter 2020 (UCSB) <i>In Person</i>

Math 3A: Calculus with Applications <i>Instructor: Matt Porter</i>	Fall 2019 (UCSB) <i>In Person</i>
Math 3B: Calculus with Applications <i>Instructor: Ashlee Kalauli</i>	Summer B 2019 (UCSB) <i>In Person</i>
Math 4A: Linear Algebra with Applications <i>Instructor: Stephen Pablo</i>	Summer A 2019 (UCSB) <i>In Person</i>
Math 3B: Calculus with Applications <i>Instructor: Qiang Guang</i>	Spring 2019 (UCSB) <i>In Person</i>
Math 3B: Calculus with Applications <i>Instructor: Zee Fryer</i>	Spring 2019 (UCSB) <i>In Person</i>
Math 3B: Calculus with Applications <i>Instructor: Dennis Labutin</i>	Winter 2019 (UCSB) <i>In Person</i>
Math 3B: Calculus with Applications <i>Instructor: Justin Kelz</i>	Fall 2018 (UCSB) <i>In Person</i>
Math 1210: Calculus I <i>Instructor: Gregory Wheeler</i>	Spring 2017 (USU) <i>In Person</i>
Math 1210: Calculus I <i>Instructor: Robert Heal</i>	Fall 2016 (USU) <i>In Person</i>
Math 1050: College Algebra <i>Instructor: David Bregenzer</i>	Fall 2015 (USU) <i>In Person</i>
Math 1050: College Algebra <i>Instructor: David Bregenzer</i>	Spring 2015 (USU) <i>In Person</i>
Math 1050: College Algebra <i>Instructor: KimberLeigh Hadfield</i>	Fall 2014 (USU) <i>In Person</i>

Other Experience

Grader for Math 8: Transition to Higher Mathematics <i>Instructor: Birge Huisgen-Zimmermann</i>	Spring 2019 (UCSB)
Grader for Math 100A: Mathematics for Elementary Teaching <i>Instructor: Bill Jacob</i>	Winter 2019 (UCSB)
Undergrad Research Assistant <i>Advisor: Ian Anderson</i>	Summer 2016 (USU)
Grader for Math 5220: Introduction to Analysis II <i>Instructor: Zhaohu Nie</i>	Spring 2016 (USU)
Grader for Stat 5600: Applied Multivariate Statistics <i>Instructor: Richard Cutler</i>	Spring 2016 (USU)
Grader for Math 4310: Introduction to Algebraic Structures <i>Instructor: Ian Anderson</i>	Spring 2016 (USU)
Grader for Math 5210: Introduction to Analysis I <i>Instructor: Zhaohu Nie</i>	Fall 2015 (USU)
Lab Technician <i>USU RS/GIS Lab</i>	Summer 2015 (USU)

Presentations

Everything I Should Have Learned About CW Complexes, but Never Did <i>Graduate Topology Seminar</i>	April 2021
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Maximal Regular Semisimple Subalgebras of Simple Lie Algebras August 2018
USU Summer Research Poster Session

Regular Subalgebras of Semisimple Lie Algebras April 2018
DGCAMP Student Daze Conference

Three Dimensional Subalgebras of Simple Lie Algebras November 2016
DG Rendezvous Conference

Academic Service

Panelist February 2021
Hypatian Seminar - Discussing Experiences with Quas

Graduate Mentor January 2021 - May 2021
Directed Reading Program

Panelist November 2020
AWM and PMA 'Grad Night'

Panelist October 2020
Discussing grad school with UCSB Undergraduate Transfer Students

Graduate Mentor January 2020 - May 2020
Directed Reading Program

Professional Development

UCSB Pillars of Teaching Assistantship Certificate: Spring 2021

UCSB Summer Teaching Institute for Associates Certificate: Summer 2020

Awards

USU Dept. of Math/Stats: Graduate MS Researcher of the Year: 2018

USU Dept. of Math/Stats: Outstanding Undergraduate Work in Mathematics: 2016

Miscellaneous

Programming: Maple, LaTeX