

## Jason M. Nagaoka

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### Educational Background

- **Master of Science in Mathematics (Teaching Option)**  
Texas A&M University, Distance Education Program (beginning Fall 2019)
- **Master of Education in Secondary Education (with Distinction)**  
Hawai'i Pacific University (Spring 2011 to Summer 2012)  
[Thesis \(PDF\)](#) – *Advanced Placement Calculus: Differences within University Instruction*  
Grade Point Average in All Courses: 4.0
- **Professional Certificate in Secondary Education**  
Hawai'i Pacific University (Fall 2009 to Fall 2010)  
Grade Point Average in All Courses: 4.0
- **Bachelor of Science in Mathematics (with Distinction)**  
University of Hawai'i at Mānoa (Fall 2005 to Spring 2009)  
Grade Point Average in All Courses: 3.85 (no letter grades lower than B)  
Grade Point Average in MATH Courses: 3.91 (no letter grades lower than B)
  - **Earned credits in MATH:** 190 (Fortran Programming), 253A (Accelerated Calculus III), 302 (Intro to Differential Eqns I), 311 (Intro to Linear Algebra), 321 (Intro to Advanced Mathematics), 331 (Intro to Real Analysis), 351 (Foundations of Euclidean Geometry), 352 (Non-Euclidean Geometries), 371 (Elementary Probability Theory), 373 (Elementary Statistics), 412 (Intro to Abstract Algebra), 414 (Operations Research: Discrete Models), 416 (Operations Research: Probabilistic Models), 471 (Probability), 472 (Statistical Inference), 480 (Senior Seminar)

### Work Experience

- **Mathematics Teacher**, Moanalua High School (July 2009 to Present)
- **Head Math Team Coach**, Moanalua High School (July 2009 to Present)  
**Assistant Math Team Coach**, Moanalua High School (2005-2006, 2007-2009)

### Leadership Positions Held

- **Mathematics Department Chair**, Moanalua High School (July 2012 to Present)
- **Data Team Leader**, Moanalua High School (July 2014 to Present)  
*Algebra II DT (2014-15 to 2017-18), Trigonometry/Precalculus DT (2018-19)*
- **Jupiter Ed Coordinator**, Moanalua High School (July 2015 to Present)
- **Faculty Member**, Moanalua High School Community Council (July 2011 to June 2013, July 2014 to June 2017)
- **Technology Officer/Webmaster**, O'ahu Mathematics League (August 2010 to Present)

## Courses Taught

Year	Algebra II	Statistics/ Probability	Trigonometry/ Precalculus	Calculus	AP Calculus AB	AP Calculus BC	CAP 9	CAP 10	CAP 11	CAP 12
2018-19			1		2	1		1		
2017-18	1				2	1	1			
2016-17	1				2	1				1
2015-16	2				1	1			1	
2014-15	2			2		1		1		
2013-14			1	3		1	1			
2012-13			2	2		1				1
2011-12	1	3		1	1				1	
2010-11	3	1		2				1		
2009-10	4	1		1			1			

Note: Quantity indicates number of sections

## Student Performance on AP Calculus Exams

Group	Avg Score	Score of 3+	Score of 4+	Score of 5
MoHS AB Students	3.59	78.5%	58.9%	31.8%
Global AB Students	2.92	57.8%	38.0%	20.5%
MoHS BC Students	3.91	84.1%	68.1%	44.9%
Global BC Students	3.77	80.5%	61.7%	44.5%

AB results from 2016-18 exams. MoHS = 107 students. Global = 859,236 students.

BC results from 2014-18 exams. MoHS = 69 students. Global = 515,210 students.

## Participation at Major Calculus Workshops, Conferences, and Panels

- **ETS AP Reader**, Calculus (Kansas City, Mo.), June 11-17, 2019  
*Read free response questions [to be determined]*
- **ETS AP Reader**, Calculus (Kansas City, Mo.), June 02-08, 2018  
*Read free response questions BC2, AB4/BC4, BC5*
- **ETS AP Reader**, Calculus (Kansas City, Mo.), June 02-08, 2017  
*Read free response questions AB1/BC1, AB3/BC3, BC5*

## Participation at Major Smarter Balanced Assessment Consortium Workshops, Conferences, and Panels

- **State Network Educator Workshop** (Portland, Ore.), February 11-13, 2019
- **Online Reviewer**, *Guide to Developing Annotations, Grades 3-5*, October 19-29, 2018
- **State Network Educator Workshop** (Chicago, Ill.), July 16-18, 2018
- **High School Mathematics CAT Item Mapping Panel** (Reno, Nev.), October 23-27, 2017
- **High School Mathematics CAT Item Review/Writing Panel** (Chicago, Ill.), April 18-20, 2017
- **Online Standard Setting Panel**, October 07-09, 2014
- **High School Mathematics Alignment Study** (Los Angeles, Calif.), March 19-20, 2014  
*One of 12 teachers selected out of 70+ applicants from Hawai'i*

## Participation at Major Hawai'i DOE Workshops, Conferences, and Panels

- **HIDOE + Smarter Balanced Item Development**
  - **Online Senior Item Reviewer**, Summer 2018 Extension Item Authoring, August 01-September 21, 2018  
*Responsible for reviewing and assisting item authors with their submissions*
  - **Smarter Balanced Item Development Workshops**, March 31/April 14/May 05, 2018  
*Responsible for authoring items for submission to Smarter Balanced*
  - **Common Core Item Authoring Training**, October 09-13, 2017  
*Received training on how to author items for the Smarter Balanced Assessment*
- **HIDOE + Smarter Balanced Panels**
  - **Digital Library Workshop**, January 5/January 12, 2019  
*Responsible for authoring classroom activities for submission to Smarter Balanced*
  - **High School Math Cluster Item Review Committee**, December 14, 2018
- **HIDOE End-of-Course Exam Panels**
  - **Content and Fairness Data Review**, July 22, 2016 (Algebra I and II) and July 08, 2014 (Algebra II)
  - **Content and Fairness Item Review**, July 09, 2018 (Algebra I and II)
  - **Content Data Review**, July 15, 2013 (Algebra II)
  - **Fairness Data Review**, July 16-17, 2013 (Algebra II)
  - **Item Review**, March 18, 2015 (Algebra II), March 17, 2015 (Algebra I), and March 04-06, 2013 (Algebra II)
  - **Rubric Validation**, June 15, 2016 (Algebra II), June 14, 2016 (Algebra I), and June 09, 2014 (Algebra I)
  - **Standard Setting**, June 23-24, 2013 (Algebra II)
- **HIDOE Mathematics Instructional Materials Review Panel**, January 29-31, 2013

## Participation at Major Education Workshops, Conferences, and Panels

- **Hawai'i AP Calculus Exam: 2018 Reading**, November 10, 2018  
*One of four co-presenters to share insights from the 2018 AP Reading to other AP Calculus teachers*
- **Moanalua High School Professional Development Conference**, April 12, 2014  
*Co-Presenter – [SBAC: Taking a Closer Look at the Grade 11 Math](#)*
- **Moanalua High School Professional Development Conference**, April 21, 2012  
*Co-Presenter/Interim Team Leader, Algebra II Data Team*
- **ETS Standard Setting Panel in Mathematics** (Princeton, N.J.), April 16-17, 2012  
*One of 20 secondary/post-secondary educators from across the U.S. to participate*

## Attendance at Major Calculus Workshops, Conferences, and Panels

- **AP Summer Institute** (Calculus BC), July 16-20, 2012  
*Presenter: Howard Alcosser*
- **AP Summer Institute** (Calculus AB), July 25-29, 2011  
*Presenter: Tansel Pope*
- **AP Summer Institute** (Calculus AB), July 19-23, 2010  
*Presenter: Larry Peterson*

## Attendance at Major Mathematics Workshops, Conferences, and Panels

- **MathFest 2017** (Chicago, Ill.), July 26-29, 2017
- **MathFest 2009** (Portland, Ore.), August 6-8, 2009
- **MathFest 2008** (Madison, Wis.), July 31-August 2, 2008

## Attendance at Major Education Workshops, Conferences, and Panels

- **Hawai'i Education Summit**, July 9, 2016
- **Hawai'i School Empowerment Conference**, November 28-29, 2014
- **Hawai'i Model Schools Conference**, July 6-7, 2012
- **Model Schools Conference** (Nashville, Tenn.), June 26-29, 2011

## **Awards**

- **MoHS Teacher of the Month**, 2018-2019
- **MoHS Teacher of the Month**, 2016-2017
- **MoHS Teacher of the Month**, 2014-2015
- **MoHS Teacher of the Month**, 2013-2014
- **MoHS Teacher of the Month**, 2010-2011
- **MoHS Teacher of the Month**, 2009-2010
- **2005 Regents Scholar**, University of Hawai'i at Mānoa
- **2005 National Merit Scholar**, Moanalua High School

## **Professional Memberships**

- Hawai'i Council of Teachers of Mathematics (HCTM)
- National Council of Teachers of Mathematics (NCTM)

Last Updated: January 2019