

Bryant Gregory Mathews

EDUCATION	Ph.D., Mathematics (Algebraic Geometry) 2005–09 Thesis: <i>Canonical Dimension of Projective Homogeneous Varieties</i> Advisor: Alexander S. Merkurjev UCLA, Los Angeles, CA
	M.A., Mathematics 2003–04 UCLA, Los Angeles, CA
	Certificate, Teaching English as a Foreign Language Summer 2002 Educational Services International, Arcadia, CA
	B.A., Mathematics, <i>Cum Laude, Phi Beta Kappa</i> 1998–2000, 2001–02 Harvard University, Cambridge, MA
	Certificate, French Language Spring 2001 Alma College, Alma, MI / Alliance Française, Paris, France
	A.A., Liberal Arts, <i>With Distinction</i> 1996–98 Simon’s Rock College of Bard, Great Barrington, MA
	Dual Enrollment 1995–96 Calvin College, Grand Rapids, MI
PROFESSIONAL EXPERIENCE	Azusa Pacific University, Azusa, CA Associate Dean of the School of Humanities and Sciences August 2024–present Director of Interdisciplinary Studies June 2024–present Director of General Education October 2023–present Professor 2018–present Interim Director of General Education Spring 2021 Chair of the Department of Mathematics, Physics, and Statistics 2015–19 Associate Professor 2013–18 Assistant Professor 2009–13
	University of California, Los Angeles Lecturer 2008–09 Teaching Assistant Consultant 2008 Teaching Fellow 2007 Teaching Associate 2004–06
	Research Science Institute, California Institute of Technology, Pasadena Teaching Assistant August 2004
	Tianjin Normal University, Tianjin, China English Instructor 2002–03
	Harvard University, Cambridge, MA Teaching Assistant 1999–2000, 2001–02

LEADERSHIP
ROLES

Associate Dean of the School of Humanities and Sciences (Aug 2024–present)

Administrative position with faculty rank reporting to the Dean of the College of Arts, Humanities, Sciences, and Theology. Provide collaborative vision and leadership for the school. Oversee new program development, accreditation, assessment, course scheduling, faculty workloads, program viability evaluation, recruitment, retention, student petitions, and curriculum committees. Supervise the school's four department chairs and the Director of the Honors College and assist with budget management.

- Prepared detailed proposals and budget projections for new B.S. and M.S. programs in cybersecurity and for new investments in mechanical engineering and computer science
- Facilitated the consolidation of humanities departments
- Oversaw five faculty searches
- Helped departments to find efficiencies in course scheduling
- Applied for a NetVUE Program Development Grant (decision forthcoming)

Director of Interdisciplinary Studies (June 2024–present)

Administrative position with faculty rank reporting to the Provost. Coordinate all aspects of the Bachelor of Arts in Interdisciplinary Studies including recruitment, advising, approval of student pathways, and petitions. Coordinate scheduling of the Interdisciplinary Studies core courses with other departments. Lead periodic review and updating of the curriculum.

- Conducted an in-depth analysis of the current state and future prospects of the program
- Presented a plan to the Provost for revitalizing the program
- Led a task force to update the required courses to align with current university offerings

Director of General Education (Oct 2023–present)

Administrative position with faculty rank reporting to the Provost. Provide visionary leadership for the university's General Education (GE) program and oversee all aspects of its implementation. Promote GE learning outcomes and related faculty development efforts. Support the development, certification, and assessment of GE courses. Coordinate the staffing, scheduling, and syllabi of the CORE-prefix courses. Help to develop transfer agreements and articulation pathways with other institutions. Resolve GE petitions and manage the GE operational budget. Revise GE catalog pages, websites, and documentation. Represent the GE program at recruitment events, on university councils, committees, and task forces, and in university publications. Collaborate with the Writing Program, Center for Academic Service Learning, Academic Success Center, and Student Services Center.

- Conducted and presented a deep analysis in Fall 2024 of the university's GE offerings and enrollment trends (for traditional undergraduates, professional students, and Honors College students)
- Chaired a GE Design Team of 19 faculty, three administrators, and one student, which met for over 30 hours in Spring 2024
- Worked collaboratively with the GE Council Chair, Faculty Moderator, and an external consultant to guide the Design Team through a four-month comprehensive redesign process

- Held over 20 hours of listening sessions around GE redesign with academic units, faculty councils, and students
- Co-led six hours of interviews with experts on spiritual formation which were arranged by the President for the GE Design Team and the School of Theology
- Offered vision for the Design Team’s work through presentations on APU’s History and Distinctive Mission, Faith Integration and Discipleship in GE, and Innovative Approaches to GE at 14 Institutions
- Led the development of 11 Guiding Principles for GE Redesign as well as six new Core Learning Outcomes (Worldview & Wisdom, Character & Virtue, Calling & Mission, Critical & Creative Thinking, Scientific & Quantitative Inquiry, and Communication & Collaboration) with a total of 22 dimensions
- Drafted a 40-page proposal, based on the Design Team’s deliberations, for a new GE framework that went on to received near-unanimous approval from faculty governance and 89% approval from the full undergraduate faculty
- Presented the new GE framework entitled “The APU Core: Pathways to Flourishing” to the full faculty, the Faculty Senate, and the Board of Trustees
- Drafted a comprehensive plan for implementing the APU Core for a Fall 2025 launch
- Led five teams of 32 total faculty and staff to develop the new interdisciplinary courses in the APU Core during Fall 2024
- Facilitated approval of 8 new GE course syllabi through five different faculty governance councils over a period of two months
- Developed two new Google Sites and a variety of advising documents to facilitate a smooth transition to the new GE program
- Conducted a training for Registrar and Student Success staff, three advising trainings for faculty, and two forums for students
- Built all of the new GE course requirements, transfer policies, and program info pages in the catalog
- Recruited faculty to cover 30 sections of three courses for the first year of the new program (2025–26)
- Wrote an article for *APU Life* magazine and collaborated with Strategic Communications to develop a new externally-facing website advertising the APU Core
- Introduced to the APU Core to prospective students and their families at twice-monthly recruitment events
- Wrote a proposal for an \$84,000 NetVUE Program Development Grant to facilitate further development of vocational exploration within the APU Core

Conference Organizer and Host for the Association of Christians in the Mathematical Sciences (Spring 2022)

- Served on the Board of the Association of Christians in the Mathematical Sciences (ACMS) from 2015–2024
- Submitted a successful application in 2017 to host the 23rd Biennial Conference of the ACMS at APU for five days in June 2022

- Coordinated conference budgeting, marketing, registration, abstract review, scheduling, communication, lodging, dining, social events, and field trips for over 150 attendees from over 80 institutions

Interim Director of General Education (Spring 2021)

Administrative position with faculty rank reporting to the Associate Provost for Undergraduate Education and Community Engagement. See above for job description.

- Conducted extensive analysis of GE offerings and presented proposals for GE revision in alignment with the university's strategic plan
- Represented GE on the Provost's Working Group on Curriculum and Pedagogy and its General Education Subcommittee
- Constituted and led assessment teams to fill prior gaps in the assessment of GE Learning Outcomes in preparation for accreditation review

Chair of the Dept. of Mathematics, Physics, and Statistics (2015–2019)

Administrative position with faculty rank reporting to the Dean of the College of Liberal Arts and Sciences. Provide leadership to foster effective teaching and scholarship within the department. Oversee faculty and staff recruitment, development, and evaluation, and manage employment capacity in relation to departmental needs. Coordinate the evaluation, revision, and improvement of curriculum based on annual assessment of student learning outcomes as part of ongoing program review. Ensure that syllabi are current and follow university guidelines. Foster effective student advising and assist in student recruitment and retention. Manage prerequisites, permissions, petitions, and transfer inquiries. Lead the collaborative department process to determine, implement, and revise acceptable scholarship standards. Assist in budget preparation and management for the department. Develop workloads, course schedules and offerings, faculty assignments, and ensure appropriate office hours. Conduct regular meetings of the department. Facilitate department development of annual goals and objectives in the university strategic planning process. Participate in the Chairs' Advisory Council and ongoing training and development. Facilitate resolution of disputes between faculty, staff, administration, students, and parents.

CURRICULUM DEVELOPMENT

- Spearheaded the design and implementation of a new online mathematics placement and preparation system (using ALEKS PPL software) that removed the need for in-person proctoring, resulted in higher initial math placements, and led to higher grades in introductory math courses; I received the University Leadership Award in 2018 following this work
- Led a redesign of the developmental mathematics sequence and GE Quantitative Literacy courses to improve pedagogy and to streamline the pathways to completion of the Quantitative Literacy requirement
- Led an overhaul of the department's calculus courses to meet the needs of partner disciplines and to emphasize conceptual and contextual learning
- Led mathematics faculty in a series of meetings to develop comprehensive faith integration learning outcomes and curriculum for the program
- Worked with program director to facilitate development of the new M.S. in Applied Statistics and Analytics
- Oversaw the approval and implementation of the new Applied Mathematics Major and collaborated with the School of Business and Management to develop the Actuarial Science Concentration

- Oversaw approval and implementation of the new Statistics Minor
- Initiated updates to the Mathematics Minor resulting in a doubling of enrollment from 22 to 44 in one year
- Initiated improvements to the Liberal Studies Math Concentration to bring it in line with state requirements and to make it more attractive to students
- Served as department liaison for development of the Integrated Bachelor's/Credential 3+1 program for the Secondary Mathematics Education Track

OPERATIONS

- Oversaw a teaching team of 10 full-time faculty and 25 adjunct faculty; hired 16 new adjunct faculty
- Scheduled approximately 160 course sections per year
- Represented the department at approximately 10 recruiting and orientation events per year
- Responded to hundreds of petitions per year

PROJECTS

- Coordinated the preparation, submission, and external review of Program Review Reports for mathematics and physics
- Designed enrollment and grades dashboards using SQL and Tableau to support chair and dean decision-making (funded by Provost's Anticipatory Thinking Grant)
- Facilitated the development of a new APU Assessment Template within Google Sheets (in response to a request from the Chairs' Advisory Council) to enable easy access and collaboration among department faculty; coordinated with the Assessment Committee and the Office of Institutional Research and Assessment
- Initiated a remodel of the Segerstrom Conference Room to provide additional needed classroom space
- Overhauled department website and developed a Department Resources Google Site
- Coordinated with department faculty and University Libraries to reallocate approximately \$2,000 per year of library journal subscriptions to more effectively serve department needs
- Initiated a partnership with the Learning Enrichment Center to offer supplemental instruction for the Introduction to Statistics course
- Initiated an annual exit survey and interview for graduating seniors
- Evaluated eight Associate's Degree for Transfer (ADT) agreements with local community colleges
- Designed department's summer research internship application process

UNIVERSITY COUNCILS, COMMITTEES, & TASK FORCES	Admissions Review Committee	2025–present
	Ex-Officio Member, General Education Council	Spring 2021, 2023–present
	Search Committee Member	
	Cybersecurity	2025–26
	Engineering	2025–26
	Mathematics	2025–26
	Faculty Support Office Coordinator	2025
	Lead Writing Faculty	2025
	Statistics	2025
	Philosophy	2025
	Vice Provost for Academic Services	2024
	Vice Provost for Academic Effectiveness	2024
	Assoc. Provost for Undergraduate Education and Community Engagement	2021
	Mathematics	2020–21
	Director of Tutoring and Testing	2019
	Statistics (Committee Chair)	2019
	Statistics (Committee Chair)	2017–18
	Physics (Committee Chair)	2017–18
	Statistics	2015
	Mathematics	2010–11
	General Education Assessment Committee	Spring 2025
	Chair, Humanities Curriculum Committee	2024–25
	Chair, General Education Design Team	Spring 2024
	Elected CLAS Representative, Faculty Senate	2023–24
	Interim CLAS Representative, Faith Integration Council	Fall 2023
	Provost’s Working Group on Curriculum and Pedagogy	2021–22
	Provost’s Working Group Subcommittee on General Education	2021–22
	Ex-Officio Member, Undergraduate Studies Council	Spring 2021
	Ex-Officio Member, Professional Studies Council	Spring 2021
	Ex-Officio Member, General Education Assessment Committee	Spring 2021
	Department Chair Representative, Provost’s Fiscal Year 2020 Task Force	2019
	Chair, CLAS STEM Curriculum Review Committee	2018–19
	Steering Committee Member, APU Chairs’ Advisory Council	2017–19
Member, APU Chairs’ Advisory Council Committee on Chair Workload	2018	
Faculty Representative, APU Undergraduate Enrollment Management Council Student Success Working Group	2017	
Working Group Member, Bachelor of Arts in Interdisciplinary Studies/ Vocation Minor	2016–17	
Advisory Board Member, APU Learning Enrichment Center	2015–17	
Teaching/Learning Faculty Fellow, APU Center for Teaching, Learning, and Assessment	2014–16	
Chair, APU Undergraduate Program Review Committee	2011–14	
Elected CLAS Representative, APU Undergraduate Studies Council	2011–14	
CONSULTING	California Baptist University	
	Mathematics Program External Review	2024
	Pasadena Unified School District Executive Leadership Team	
	School Consolidation and Socioeconomic Integration Analysis (Volunteer)	2019
	National Center for Research on Evaluation, Standards, & Student Testing	
	UCLA Graduate School of Education & Information Studies, Los Angeles	
	Mathematics and Ontology Specialist, Geometry	2009

Subject-Matter Expert: Algebra I 2009

OTHER SERVICE

DEPARTMENT

Served as faculty sponsor of the APU team for the William Lowell Putnam Mathematical Competition 2012–2023

Drafted a proposal for expanding department fellowship program into a launch program designed to build community and belonging among *all* department majors 2023

Developed new courses 2011–2019

- GE 100 First-Year Seminar (mathematics and physics section)
- MATH 90 Foundations of Mathematical Reasoning
- MATH 99 Self-Paced Mathematics Lab
- MATH 100 Mathematics Seminar I
- MATH 110 College Algebra (online version)
- MATH 115 Mathematics in Society
- MATH 130 Introduction to Statistics (online version, joint with Andre Harmse)
- MATH 149 Fundamentals of Precalculus
- MATH 165 Calculus I
- MATH 166 Calculus II
- MATH 167 Sequences and Series
- MATH 200 Mathematics Seminar II
- MATH 268 Multivariable Calculus
- MATH 269 Vector Calculus
- MATH 280 Discrete Mathematics and Proof
- MATH 340 Geometry (new version)
- MATH 460 Topology
- MATH 495 Advanced Topics in Mathematics
- MATH 496 Mathematics Senior Seminar

UNIVERSITY

Drafted “General Education Quantitative Reasoning Proposal” at the request of the General Education Council 2023

Drafted “Open Letter on Quantitative Reasoning in General Education” on behalf of the Department of Mathematics, Physics, and Statistics 2023

Panelist for VOC 200 Exploring Vocation course 2017

Recruited and moderated “Wisdom from Seasoned Chairs” panel at New Chair Orientation 2017

Co-organized three Faculty Dialogues on Making Space for Civil Conversation Across Difference 2017

Placed two data analyst student interns in the APU Undergraduate Academic Success Center and Center for Global Learning and Engagement 2016

Interviewed for Full Faculty Kickoff video on how I seek to encourage the spiritual development of my students 2016

Organized Teaching Triads for the College of Liberal Arts and Sciences 2015

Co-led (with Kirsten Humer from Theater Arts) a discussion of the play *Proof* by David Auburn following a public reading of the play 2015

Mentored a student in APU’s Blueprints Mentoring Program 2012–13

Panelist for APU Coram Deo event: “Faith in a Post-Christian World: Multidisciplinary Perspectives” 2011

Organized and moderated a multi-disciplinary panel discussion on beauty following a screening of the film *Between the Folds* on 2011

the mathematics and art of origami, APU Common Day of Learning

PROFESSION

Co-hosted (with Edwin Ding) the SIMIODE Student Competition Using Differential Equations Modeling (SCUDEM)	2018
Editorial Board Member, Young Mathematicians Network	2011–13
Coordinated Young Mathematicians Network Poster Session, MAA Mathfest, Lexington, KY	2011
Reviewed abstracts for the Young Mathematicians Conference at The Ohio State University	2011
Chaired a session at (and took five students to) the Pacific Coast Undergraduate Math Conference, Loyola Marymount University	2011

COMMUNITY

Math Team Coach, Webster Elementary School, Pasadena USD	2022–2023
Math Team Coach, Eugene Field Elementary School, Pasadena USD	2021–2023
Chair, Eugene Field Elementary School Site Council, Pasadena USD	2020–21
Member, Eugene Field Elementary School Site Council, Pasadena USD	2019–21
Secretary, District Advisory Council, Pasadena USD	2020–21
School representative to the District Advisory Council, Pasadena USD	2018–21
Judge at the Math Academy SOLVE Competition at Caltech	2018, 2019
Led middle and high school students in a Conway’s Rational Tangles activity at the ACSI Science Fair	2018
Informal advisor to Jason Roberts, founder of Math Academy	2016–18
Reviewed a \$300,000 grant application for the Keck Foundation	2017
Initiated a partnership with Azusa’s Center Middle School to staff a new after-school math club with APU students and to supply it with \$2,000 of math games (from a grant)	2016–17
Initiated and directed APU Math Day for 80 high school students	2012

HONORS, AWARDS, FELLOWSHIPS, AND GRANTS	APU Uncommon Citizen Award	2025
	APU STEM Research Symposium Outstanding Oral Presentation Award (received by my student, Kathryn Tickle)	October 2021
	APU STEM Research Symposium Outstanding Oral Presentation Award (received by my students, Zach Conner and Kathryn Tickle)	April 2021
	Richter Scholars Research Fellowship (with student, Kathryn Tickle)	2021
	APU University Leadership Award	2018
	APU Provost’s Anticipatory Thinking Grant	2017–18
	California Space Grant Consortium Sub-Award	2016
	APU Faculty Development Council Travel Grant	2011
	APU Faculty Research Council Research Grant	2011
	Mathematical Association of America Project NExT Fellowship	2010–11
	UCLA Mathematics Department Research Assistantship	2007–09
	UCLA National Science Foundation VIGRE Fellowship	2003–07
	Harvard Phi Beta Kappa Honor Society	2002
	John Harvard Honorary Scholarship for Academic Achievement	1999, 2000, 2002
	Harvard Detur Book Prize for top first-year students	1999
	Barry M. Goldwater Scholarship for Excellence in Science and Mathematics	1998–2000
	Math & Science Award for top graduating student at Simon’s Rock College	1998

RESEARCH MENTORING	The Game of Cycles on Spider and Hammock Graphs (2 students)	2021–22
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Voting Systems That Combat Polarization (1 student)	Summer 2013
Tropical Orthogonal Rank of Graphs (3 students)	Summer 2011
Tropical Minimum Rank Problem (2 students)	Summer 2010

PUBLICATIONS

“The Game of Cycles on Boards with Exactly Two Cells” (in progress).

“The Game of Arrows on 3-Legged Spider Graphs” (posted to the arXiv in 2022; not yet published, but cited by three articles), <https://arxiv.org/abs/2110.08738>.

“Loving Mathematically,” article in the online journal *In All Things* of the Andreas Center at Dordt College (28 March 2017).

“Individual Presentations of Group-Written Proofs,” chapter in *Beyond Lecture: Techniques to Improve Student Proof-Writing Across the Curriculum*, Mathematical Association of America, MAA Notes Series, Volume 85 (2016), pp. 91–96.

“Incompressibility of orthogonal Grassmannians of rank 2,” *Journal of Algebra*, Volume 349, Issue 1 (1 January 2012), pp. 353–363, <https://www.sciencedirect.com/science/article/pii/S0021869311005333>.

PRESENTATIONS

“The Game of Cycles on Spiders and Hammocks,” Association of Christians in the Mathematical Sciences, Azusa Pacific University 2022

“Designing a New Sequence of Three Seminars on Math and Faith at Azusa Pacific,” Association of Christians in the Mathematical Sciences, Indiana Wesleyan University 2019

“Goodbye Taskstream, Hello Google Sheets: Introducing the New Assessment Template,” APU Faculty Development Day 2019

“Tropical Polynomials,” Los Angeles Math Circle, UCLA 2016

“Optimizing the ‘Introduction to Proofs’ Course: Syntax, Semantics, and Style,” Association of Christians in the Mathematical Sciences, Redeemer University College, Hamilton, Ontario 2015

“Tropical Orthogonal Rank of Graphs,” Special Session on Graphs, Matrices, and Related Topics, Joint Mathematics Meetings, San Antonio 2015

“Voting Systems That Combat Polarization” (joint with Ray Biggerstaff), APU Math and Physics Research Day 2013

“Training Desires Through the Study of Mathematics,” Seminar on Virtues, Vices, and Teaching, Calvin College, Grand Rapids, MI 2013

“A Mathematician’s Reflections on James K. A. Smith’s *Desiring the Kingdom*,” Association of Christians in the Mathematical Sciences, Bethel University, St. Paul 2013

“All Tied Up in Knots: Unraveling the Mystery Behind Rope Tangles,” 2013

APU Common Day of Learning

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| “Best Teachers: What Do They Do and How Do They Do It?” (joint with Sandra Richards Mayo), keynote presentation at APU Faculty Development Day | 2012 |
| “Indecision Graphs and Tropical Orthogonal Labeling,” Mathematics Colloquium, California State University, San Bernardino | 2012 |
| “The Tropical Minimum Rank Problem,” Association of Christians in the Mathematical Sciences, Westmont College | 2011 |
| “Is Mathematics Just Logical Deduction?” APU Philosophy Colloquium | 2011 |
| “Introduction to Tropical Mathematics,” Los Angeles Math Circle, UCLA | 2010 |

TEACHING

Azusa Pacific University, Azusa, CA

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| <i>Assistant Professor/Associate Professor/Professor</i> | 2009–present |
| Elementary Algebra | |
| Self-Paced Mathematics Lab | |
| First-Year Seminar | |
| Mathematics Seminar I | |
| College Algebra | |
| Analytical Inquiry | |
| Fundamentals of Precalculus | |
| Precalculus | |
| Calculus I | |
| Calculus II | |
| Data Analysis | |
| Multivariable Calculus | |
| Vector Calculus | |
| Differential Equations | |
| Discrete Mathematics and Proof | |
| Linear Algebra | |
| Geometry | |
| Number Theory | |
| Abstract Algebra | |
| Real Analysis | |
| Topology | |
| Complex Analysis | |
| Writing 3: Mathematical Reading, Writing, and Presentation | |
| Mathematics Senior Seminar | |

University of California, Los Angeles

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|----------------------------------|---------|
| <i>Lecturer</i> | 2008–09 |
| Precalculus | |
| Linear Algebra and Applications | |
| Combinatorics | |
| <i>Teaching Associate/Fellow</i> | 2004–07 |
| Finite Mathematics | |
| Integration and Infinite Series | |

Calculus of Several Variables I
 Calculus of Several Variables II
 Honors Calculus of Several Variables I
 Honors Calculus of Several Variables II
 Honors Linear Algebra and Applications
 Advanced Linear Algebra I
 Advanced Linear Algebra II
 Mathematical Game Theory
 Graduate Abstract Algebra I

Harvard University, Cambridge, MA

Teaching Assistant 1999–2000, 2001–02
 Calculus II
 Multivariable Calculus
 Linear Algebra

PROFESSIONAL
 DEVELOPMENT

LEADERSHIP DEVELOPMENT

APU Department Chairs Retreat (annually) 2015–19
 Leading and Influencing as a Department Chair (Academic Impressions), 2017
 San Diego
 Analytics for Academics: Producing Actionable Information about 2017
 Students and Learning to Improve Effectiveness (WSCUC/Pitzer College),
 Claremont, CA
 Gateway Courses and Student Success: Foundational Issues in Educational 2017
 Equity and Social Justice (Gardner Institute for Excellence in
 Undergraduate Education, UC Irvine)
 APU “Teams That Thrive” three-part workshop 2017
 Leading Teams That Thrive
 Running Excellent Team Meetings
 Dealing Effectively with Diverse Personalities & Communication Styles
 on Your Team
 The Emotionally Healthy Leader (APU Center for Vocational Ministry) 2017
 Mathematics Department Chairs Workshop (American Mathematical 2016
 Society), Seattle
 Project Kaleidoscope Summer Leadership Institute, Crestone, CO 2013
 Best College Teachers Summer Institute (Ken Bain), West Orange, NJ 2011

COURSES TAKEN

Business Metrics for Data-Driven Companies (Coursera/Duke University) 2017
 Mastering Data Analysis in Excel (Coursera/Duke University) 2017
 Data Visualization and Communication With Tableau [final project not 2017
 completed] (Coursera/Duke University)
 Managing Big Data with MySQL [final project not completed] (Coursera/ 2017
 Duke University)
 APU Orientation to Online Teaching 2017
 Faith Integration and Curriculum Development, APU graduate course 2011

FAITH INTEGRATION PAPERS FOR RANK PROMOTION

“Naturalist Philosophies of Mathematics in Christian Perspective” 2017
 (for promotion to Professor)
 “Annotated Bibliography: Mathematics and Christian Faith” 2014

(for promotion to Associate Professor)

CONFERENCES/SEMINARS/TALKS WITH FAITH COMPONENT

Baylor Symposium on Faith and Culture: “Renewing and Reimagining Institutions for the Common Good,” Waco, TX	2024
Association of Christians in the Mathematical Sciences Biennial Conference, Dordt University, Sioux Center, IA	2024
Mitch Stokes: “Science & Humanities: Bridging Two Cultures,” APU Center for Research in Science	2024
“Human Flourishing in the Age of AI,” APU Center for Research in Science	2023
Department Reading Group: <i>On Christian Teaching: Practicing Faith in the Classroom</i>	2023
Association of Christians in the Mathematical Sciences Biennial Conference, APU	2022
Association of Christians in the Mathematical Sciences Preconference Workshop: “Mathematics in Context: It’s History, Philosophy, and Connections with the Christian Faith”	2022
IVCF West Coast Faculty Conference: “Returning from Exile: Rebuilding the Ruins”	2021
Paul Kaak: “Faith Integration for the Formation of Christian Character”	2021
Association of Christians in the Mathematical Sciences Biennial Conference, Indiana Wesleyan University	2019
Common Good Conference (Made to Flourish), Montebello, CA	2017
Redeeming Work (Christianity Today), Costa Mesa, CA	2015
Association of Christians in the Mathematical Sciences Biennial Conference, Redeemer University, Hamilton, Ontario	2015
N.T. Wright: “Interpreting Paul for the Future of the World,” Fuller Seminary	2014
Miroslav Volf: “World Faiths: A Christian Perspective” (Payton Lectures), Fuller Seminary	2014
Rick Colling: “Evolution and the Christian Faith,” APU School of Theology	2013
Southern California Christians in Science Winter Day Conference, APU	2013
Association of Christians in the Mathematical Sciences Biennial Conference, Bethel University, St. Paul, MN	2013
Talk of God, Talk of Science Conference, Fuller Seminary	2013
Troy Van Voorhis: “Is Science Enough?” (Veritas Forum), Caltech	2013
John Lennox: “Can Science and Religion Coexist?” (Veritas Forum), USC	2013
Satyan Devadoss: “Science is Not Everything” (Veritas Forum), CalTech	2011
Association of Christians in the Mathematical Sciences Biennial Conference, Westmont College, Santa Barbara, CA	2011
Association of Christians in the Mathematical Sciences Biennial Conference, Wheaton College, Wheaton, IL	2009

MATHEMATICS WORKSHOPS

Mathematical Depth Workshop, UC Irvine Department of Logic and Philosophy of Science	2014
Research Experience for Undergraduate Faculty (American Institute of Mathematics), ICERM, Brown University	2012
Linear Algebraic Groups and Related Structures, BIRS, Banff, Alberta	2009
Summer Graduate Workshop on Toric Varieties, MSRI, Berkeley, CA	2009
Combinatorial Challenges in Toric Varieties, AIM, Palo Alto, CA	2009
Combinatorial, Enumerative, and Toric Geometry, MSRI, Berkeley, CA	2009
PIMS Algebra Summer School, University of Alberta	2007
Minicourses on Lie algebras, algebraic groups, and K-theory	

Linear Algebraic Groups and Cohomology, Emory University 2007

MATHEMATICS CONFERENCES

MAA Southern California-Nevada Section Meeting, Virtual 2021
 Joint Meetings of the AMS and MAA, San Diego 2018
 Joint Meetings of the AMS and MAA, Atlanta 2017
 Joint Meetings of the AMS and MAA, Seattle 2016
 Minicourse: Getting Started in the Scholarship of Teaching and Learning
 Minicourse: Visual Topics in Undergraduate Complex Analysis
 Joint Meetings of the AMS and MAA, San Antonio 2015
 Minicourse: Teaching Statistics Using R and RStudio
 Conference on Torsors, Nonassociative Algebras and Cohomological 2013
 Invariants, Fields Institute, Toronto
 MAA Southern California–Nevada Section Meeting, CSU Long Beach 2012
 MAA Southern California–Nevada Section Meeting, CSU Fullerton 2012
 MAA Southern California–Nevada Section Meeting, Harvey Mudd College 2012
 MAA Southern California–Nevada Section Meeting, CSU Los Angeles 2011
 MAA Mathfest/Project NExT, Lexington, KY 2011
 Minicourse: The Mathematics of Folding and Unfolding
 Joint Meetings of the AMS and MAA/Project NExT, New Orleans, LA 2011
 Short Course: Matroids You Have Known
 MAA Southern California–Nevada Section Meeting, Point Loma Nazarene 2011
 MAA Southern California–Nevada Section Meeting, UC Irvine 2010
 MAA Mathfest/Project NExT, Pittsburgh, PA 2010
 MAA Southern California–Nevada Section Meeting, California Lutheran 2009
 University
 Joint Meetings of the AMS and MAA, Washington, D.C. 2009
 Minicourse: Directing Undergraduate Research
 Minicourse: A Game Theory Path to Quantitative Literacy
 Joint Meetings of the AMS and MAA, San Diego, CA 2008
 Short Course: Combinatorics: Past, Present, and Future
 Minicourse: Mathematics and Geometry of Voting
 MAA Southern California–Nevada Section Meeting, Santa Ana College 2007
 Southern California Algebra Conferences, UCLA 2004–07

OTHER

Network for Vocation in Undergraduate Education Conference: “Vocation: 2026
 An Itinerary of Hope for Higher Education,” Kansas City, MO
 “Teaching Across Cultural Strengths in the Sciences” (APU HSI Title V), 2024
 Bradley McCoy and Elijah Roth
 “Cultural Relevant Curriculum” (APU HSI Title V), Nori Lowe Henk 2023
 and Alice Yafei-Deigh
 Department Reading Group: *Testimonios: Stories of Latinx and* 2022–23
Hispanic Mathematicians
 Reconcile Pasadena: Children and Schools Cohort (Center for Racial 2022
 Reconciliation, Fellowship Monrovia)
 “Faithful Antiracism” Conversation (Emerging Scholars Network) 2022
 Department Reading Group: *Teaching and Learning STEM: A Practical* 2019–21
Guide
 APU Equity and Justice Forum (Office of the Provost and Office of 2020
 Diversity and Inclusion)
 Equity 101 Seminar (Western Educational Equity Assistance Center and 2019
 Pasadena USD Magnet Schools Assistance Program)
 APU Faculty Learning Community: “Learning From First Gen Students” 2019

APU Center for Teaching, Learning, and Assessment Faculty Development Day (annually)	2015–19
APU First-Year Seminar Faculty Development Day	2018
APU Diversity Workshop: “Expanding Cultural Competence: Building Meaningful Connections”	2018
APU Vocational Mentoring Workshop	2018
APU Summer Intensive on Teaching Writing	2017
APU Panel on Supporting Underrepresented First Generation Students: “Voices from the Community”	2017
APU Faculty Dialogue: “Making Space for Civil Conversation Across Difference”	2017
Designing Your Life Workshop (Stanford University Alumni Association), Los Angeles	2017
Workshop on Mentoring Math Majors (Cal State, Northridge)	2016
Teaching Triad (APU College of Liberal Arts and Sciences)	2015
APU Faculty Seminar in the Liberal Arts: <i>Don Quixote</i>	2014
USA Origami National Convention, New York City	2011
APU Faculty Seminar in the Liberal Arts: Confucius and Laozi	2011
APU Faculty Seminar in the Liberal Arts: Plato’s <i>Republic</i>	2010