

Rebecca Rook

Curriculum Vitae

2019

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Professional Experience

- Instructor and Program Coordinator, Education Department, Franciscan University of Steubenville, 2017-present
- Assistant Professor of Mathematics, Eastern Gateway Community College, Steubenville, OH, 2012-2017
- Adjunct Professor of Graduate Business, Mathematics, & Education, Franciscan University of Steubenville, 2006-2016
- Founder, Curricularist, Instructional Coordinator, Standardized Test Preparation and Mathematics Enrichment and Remediation Instructor, Advantage Academic Services, 2001-2015
- Mathematics Instructor, Catholic Central High School, 2001-2002

Education

- PhD, Instructional Management and Leadership, Robert Morris University, 2019
- Master of Arts in Science and Math Education, Wheeling Jesuit University, 4.0 GPA, 2004
- Bachelor of Science in Mathematics, with Licensure in 7-12 grade Mathematics, Franciscan University of Steubenville, Summa Cum Laude, 4.0 GPA, 2001
- Valedictorian, Catholic Central High School, 4.67 GPA, 1997

Current Licensure

- Mathematics (7-12), 5-year professional license, Ohio, 2015-2020

Courses Taught

Graduate

Analytical Methods
Productions & Operations Management*

Undergraduate

Problem Solving & Assessment
Math Methods for PK-6th grade*
Teaching Strategies
Elements of Geometry
Applied Calculus
AYA Mathematics*
Curriculum Methods for Early Adolescents*
Finite Math
Intermediate Algebra* (Developmental)
Introductory Algebra (Developmental)
Bridge to Algebra (Developmental)

Secondary

PreCalculus
Advanced Senior Math
PreAlgebra
General Math

**Developed online or hybrid versions of these courses*

Leadership

- Program Coordinator, Franciscan University, 2017-2018. Ensure that all specialized professional association standards, InTASC standards, and state standards are integrated within our programs and align with the 6-8 key assessments used for SPA and state recognition.
- Chair of the Developmental Math Department, Eastern Gateway Community College, 2014-2017 Responsibilities included:
 - Development of developmental math curriculum, which utilized instructional technology to deliver mathematics to students in an individualized, mastery-based, self-paced fashion.
 - Responsible for staffing and training all adjunct faculty in the Developmental Math Department.
 - Developed a dual-credit developmental math program for the Jefferson County Joint Vocational School, OH, so that students could enter EGCC college-ready, without the need for mathematics remediation..
- Reaccreditation Taskforce, Eastern Gateway Community College, 2016. Served on a team charged with documenting valuation and improvement in the areas of teaching and learning to submit to the HLC.
- Lead faculty participant at the national “Achieving the Dream” Conference, Atlanta, GA, 2016. Met with Eastern Gateway’s ATD coaches to discuss the college’s strategic plans for closing achievement gaps and accelerating student success and facilitated a site visit with these coaches to showcase the effectiveness of these initiatives.
- Program Review Taskforce, Eastern Gateway Community College, 2015-2016. Appointed by the college president to work with a consultant of the Collaborative Brain Trust to construct a template for thorough, systematic, and ongoing program evaluation for all degree-bearing programs offered at the community college.
- Worked with Adult Educational Services (ABLE) in Steubenville, OH, to create a free, accelerated 8-week curriculum for General Math that would transfer to the community college, 2015.
- Lead Faculty Participant in the American Association of Community Colleges “Summit on the National Redesign of Developmental Education” with a team of colleagues from Eastern Gateway Community College, 2015. The goal of this summit was to showcase the research and work of community colleges involved in redesign work
- Oversaw Eastern Gateway’s transition from Compass to Accuplacer for student placement, 2015. Established appropriate cut-scores for student placement at the pre-college level.

Professional Development

- Attended the Ohio Confederation of Teacher Educator Organizations (OCTEO) annual conference, Fall 2018
- Attended NCTM’s training for CAEP accreditation report compilers (webinar), December 15, 2018.
- Attended one of the Ohio Department of Education’s edTPA focus groups to discuss the effectiveness and challenges of the edTPA assessment portfolio, Mount Union University, Ohio, 2017
- Attended the “Ohio Association for Developmental Education” (OADE) annual conference, 2013-2016.
- Attended Achieving the Dream’s National Annual Conference in Atlanta, GA, as faculty representative, 2016.
- Attended a workshop on “Effective Strategies for Developmental Mathematics Curricular Redesign.” Cleveland State University, June 2015.
- Attended the annual “Ohio Math Summit” for Provosts, Chief Academic Officers, and Math Chairs to discuss and learn about topics related to Ohio Transfer Module (OTM) Mathematics, Statistics, and Logic prerequisites and effective quantitative pathways for STEM and non-STEM majors, 2013 and 2014.

Research and Scholarship

- *Learning Online: A Dialogue Among Instructor and Students for Improving Learning and Instruction in a Cohort Doctoral Program.* James A. Bernauer, Kenneth F. Cope, Shannon L. Foster, Rebecca L. Rook, and Jenifer A. Swab. Research paper accepted for presentation at the 11th Annual Qualitative Report Conference at Nova Southeastern University, January, 2020
- Doctoral dissertation: *An Evaluation of the Assessment Practices of Undergraduate Honors Programs That Belong to the National Collegiate Honors Council* (2019). Advisor: Dr. Rafoth. Robert Morris University, Moon Township, PA.

- *Teaching and Learning Qualitative Inquiry and Impacts on Family Life*. Autoethnographic study by Dr. James Bernauer, Mary Pat Bernauer, Patrick Bernauer, Rebecca Rook, and Jenifer Swab. Manuscript complete and submitted to *The Qualitative Review* (TQR) peer-reviewed journal.
- *A Comprehensive Evaluation of Eastern Gateway Community College's Education Program* (2017). Unpublished External Evaluation. Eastern Gateway Community College, Steubenville, OH
- *The Impact of Partnership and Early Intervention: A Case Study Examining the Outcomes of Incorporating Developmental Math into the High School Curriculum*. Manuscript submitted to Pearson Inc., who funded this endeavor, 2016.
- Action Research Study, *Does preparation for and performance on the mathematics portion of the Ohio Ninth Grade Proficiency Exam affect parochial school Pre-Algebra students' perception of their mathematical abilities, motivation to learn, class participation and effort?* Adviser: Dr. Larry Jones, Wheeling Jesuit University, Graduate Research Project, 2002-2004.
- Senior Thesis, *The Mathematics of Piano Tuning*, Adviser: Dr. John Coleman, Franciscan University, 2001.

Presentations

- *Teaching and Learning Qualitative Inquiry and Impacts on Family Life*. James Bernauer, Mary Pat Bernauer, Patrick Bernauer, Rebecca Rook, and Jenifer Swab. Paper presented at the 10th Annual TQR Conference at Nova Southeastern University, Fort Lauderdale, FL in January 2019.
- "Catholic Identity in the Classroom," "edTPA Success," and "Culturally Responsive Teaching" (Spring 2018-Spring 2019). Presentations at teachable moments workshops provided to education majors at Franciscan University.
- "Conducting a Program Self-Study." Presentation to Faculty at Eastern Gateway Community College concerning program self-study, a key component of program review, 2016.
- "Effectively Facilitating Learning in a Flipped Classroom." Presentation given to new and returning faculty in the Developmental Mathematics Department at Eastern Gateway Community College, 2014, 2015, 2016.
- "Instructing Students in a Self-Paced, Mastery-based Mathematics Class using MyLabsPlus." Presentation given to Developmental Mathematics Faculty in 2013 concerning the full-scale redesign of the developmental mathematics curriculum.

Honors and Awards

- Half Tuition Graduate Student Grant, Wheeling Jesuit University, 2001-2004
- Department of Mathematics' Award Recipient and Suma Cum Laude Graduate, 4.0 GPA, Franciscan University, 2001
- Full Academic Scholarship, Franciscan University, 1999
- Full Academic Scholarship (Chancellor's Award), Duquesne University, 1997. Attended Duquesne from 1997-1999 and completed the Honor's Core Curriculum Program with a 4.0 GPA, before transferring to Franciscan University
- Valedictorian, Catholic Central High School, 4.67 GPA, 1997

Committee Memberships

- Academic Awards Committee, Franciscan University, 2018-present
- Strategic Planning Taskforce, Academic Committee, Steubenville Catholic Schools, 2018-present
- New Faculty Committee, Franciscan University, 2017-present
- Martin Luther King Legacy Committee (to support student scholarships), Eastern Gateway Community College, 2016-2018
- Curriculum Committee, Eastern Gateway Community College, 2012-2017
- Achieving the Dream Leader College Action Committee, Eastern Gateway Community College, 2013-2017

Technological Skills

- Very skilled in the use of MyMathLab, Pearson's computer-aided instructional tool
- Proficient in the use of ConnectPlus, McGraw Hill's computer aided instructional tool
- Adept at setting up online courses in Blackboard
- Proficient in the use of Geometer's Sketchpad
- Skilled in the use of Microsoft Excel for Operations Research and Quantitative Management Applications

Professional Organizations

- National Council of Teachers of Mathematics (NCTM)
- Mathematical Association of America (MAA)
- Phi Delta Kappa (PDK), a professional education fraternity
- National Education Association (NEA)

Community Involvement and Service

- Strategic Planning Taskforce, Academic Committee, Steubenville Catholic Schools, 2018-present.
- NHS Inductions Keynote Speaker, Catholic Central High School, January 2019
- Music Minister, Holy Family Parish, Steubenville, Ohio, 2009-present.
- Martin Luther King Jr. Legacy Committee, Steubenville, OH. This committee hosts events throughout the Ohio Valley to raise scholarship funds for underprivileged youth, and I co-chair of the annual ecumenical prayer breakfast held at Franciscan, 2016-2018.
- Beloved Conference and Women's Ministry, Franciscan University; committee chair for analyzing attendee satisfaction, 2017-2018.
- Race director, Crusader 5k and Children's Little Saints' Sprint, a fundraiser to benefit the Catholic Schools of Steubenville, OH, 2015-2017.
- Member of the Alumni Board, Franciscan University of Steubenville. Chair of the Alumni Awards Committee, 2011-2017.
- Bible School Team Leader, Holy Family Church, Steubenville, OH, 2010-2015.
- Fundraiser for Dirty Vagabond Ministries, a Catholic youth outreach program for inner city teens , Steubenville, OH 2012-2014.
- Core team member, Steubenville Lifeteen, 1999-2004.
- Speaker and Music Minister, Franciscan University of Steubenville Youth Conferences, 1997-2002. Talk titles available upon request.