

CURRICULUM VITAE

IRENE MARY DURANCZYK University of Minnesota
College of Education and Human Development
Department Postsecondary Teaching and Learning
362 Appleby Hall
Minneapolis, MN 55455

RESEARCH FOCUS

To investigate the institutional barriers and the cognitive and affective blocks students face when taking mathematics at the college level. The knowledge generated from this research will be used for developing pedagogical processes and assessment practices that prepare students for success in college-level mathematics. This research will advance opportunities for students taking mathematics or mathematics-based courses to obtain the skills necessary to complete a college education and the confidence to pursue a college degree that requires advanced mathematical skills.

EDUCATION

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| Ed.D. | Grambling State University,
College of Education
Developmental Education: Higher Education Administration and
Management, Cognate: Mathematics Education
Grambling, LA | 2002 |
| M.Ed. | Wayne State University
College of Education, Educational Leadership
Detroit, MI | 1990 |
| B.A. | Oakland University,
College of Liberal Arts, Chemistry
Rochester, MI | 1971 |

ACADEMIC AND PROFESSIONAL POSITIONS

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| July 2009 –
Present | ASSOCIATE PROFESSOR
University of Minnesota,
Postsecondary Teaching and Learning |
| August 2006 –
Present | VISITING LECTURER, AFFILIATE GRADUATE FACULTY
Department of Educational Leadership, College of Education
Grambling State University
Grambling, LA |
| August 2002 –
Present | ASSISTANT PROFESSOR
University of Minnesota,
Postsecondary Teaching and Learning |

August 1991 – August 2002	PROGRAM ADMINISTRATOR: DEVELOPMENTAL MATHEMATICS Eastern Michigan University Department of Mathematics Ypsilanti, MI
January 1990 – June 1991	COORDINATOR OF SCIENCE AND TECHNOLOGY DEPARTMENT INSTRUCTOR Jordan College, Detroit Campus Cedar Springs, MI
1985 –1989	FOUNDER OF THE DETROIT CAMPUS DETROIT CAMPUS DIRECTOR/DEAN Jordan College Cedar Springs, MI
1979 - 1985	PRESIDENT , Midwest Careers Institute Detroit, MI
1979 – 1980	STAFF DEVELOPMENT INTERN Wayne State University Detroit, MI
1973 – 1978	EDUCATIONAL PROGRAM DIRECTOR North End Concerned Citizens Community Council Detroit, MI
August 1972 – June 1973	MIDDLE SCHOOL AND HIGH SCHOOL SCIENCE TEACHER Friends School in Detroit Detroit, MI

AWARDS AND GRANTS

2013	Institute for Educational Sciences (\$1.6M) grant submitted in Sept., denied
2013	Multicultural Recognition Faculty Award, CEHD
2012	Institute for Educational Sciences (\$1.6M) grant submitted in June, re-submit
2011	One Semester Sabbatical
2011	International Travel Grant \$1500
2010	Multicultural Teaching and Learning Fellow, sponsored by the Center for Teaching and Learning, University of Minnesota. Awarded to continue to incorporate multicultural content into introductory statistics courses.
2010	Transform Trek Fellow, sponsored by the College of Education and Human Development, University of Minnesota. Awarded to Developing Hybrid Courses.
2007	College of Education and Human Development (CEHD), Office of Research and Policy Summer Research Grant. (\$4852.00) Determining the institutional factors and student characteristics that correlate with student success in mathematics and the retention and graduation of undergraduate students in CEHD

- 2007 National Association for Developmental Education (NADE) Outstanding Research Conducted by a Developmental Education Practitioner Award (\$500.00)
- 2006 CEHD Women's Philanthropic Leadership Circle Grant (\$2,000.00)
Awarded to continue work: (a) increasing opportunities for undergraduates who may be interested in pursuing a STEM-based (Science, Technology, Engineering, or Mathematics) degree and (b) continued analysis of the General College (GC) mathematics program data (2001-2005) using path analysis to seek a better understanding of the differences in the contributions/impact of intellectual development and pedagogy preferences by ethnicity and gender on performance in the mathematics classroom
- 2005 CEHD Women's Philanthropic Leadership Circle Grant (\$1,500.00)
Awarded to continue work with undergraduate and graduate students who are also interested in understanding then reducing or eliminating the gender gap in mathematics and science
- 2004 University of Minnesota Service-Learning Fellowship (\$5000.00)
To design service learning beginning and intermediate algebra courses for implementation in fall, 2005
- 2003 University of Minnesota First-Year Learning Communities Grant (\$7,180)
Office of the Executive Vice President and Provost
Lee and Duranczyk Harmonizing: Our Writing and Mathematics Voices
- 2001 Michigan Department of Education Eisenhower Higher Education Grant (\$74,631)
Duranczyk, Caniglia, Leopard, and Richards MATH IN THE CITY: A Teacher Preparation Model Introducing Michigan Benchmarks to Pre-Service Elementary Teachers
- 2000 Michigan Department of Education Eisenhower Higher Education Grant (\$38,825)
Caniglia, Duranczyk, Leopard, and Richards MATH IN THE CITY: A Professional Development Model Linking Teachers with the Michigan Curriculum Framework
- 2000 Michigan Department of Education – Emerging Technology Consortium Grant (\$9,650)
Duranczyk (written for the Michigan Developmental Education Consortium)
A grant to support a state wide conference for developmental educators
- 2000 Michigan Department of Education Eisenhower Higher Education Grant (\$82,000)
Duranczyk, Caniglia, Zopf, and Rubenstein Southeast Educators' Alliance of Mathematics Linking Emerging Student Scholars (Project SEAMLESS II): A Model for Mentoring across the Continuum of Teacher Development
- 1999 National Science Foundation Grant (\$97,355)

Caniglia & Duranczyk Preparing Elementary Mathematics Teachers for Success:
Implementing a research-based mathematics curricula

- 1999 Michigan Department of Education Eisenhower Higher Education Grant
(\$84,000)
Caniglia, Duranczyk, Zopf, and Rubenstein Southeast Educators' Alliance of
Mathematics Linking Emerging Student Scholars (Project SEAMLESS I)

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES:

- Duranczyk, I. M. (2013). Open access maths textbook: Students' Perspective. In B. Ubuz, C. Haser, & M. A. Mariotti (Eds). Proceedings of the Eighth Congress of the European Society for Research in Mathematics Education (pp. 2488-2489). Retrieved from http://www.mathematik.uni-dortmund.de/~erme/doc/CERME8/CERME8_2013_Proceedings.pdf
- Duranczyk, I., Myers, K., Couillard, E., Schoen, S., Higbee, J. (2013). Enacting the Spirit of the United Nations Convention on the Rights of Persons with Disabilities: The Role of Postsecondary Faculty in Ensuring Access. *Journal of Diversity Management*, 8(20), 63-72.
- Sitomer, A., Ström, A., Mesa, V., Duranczyk, I., Nabb, K., Smith, J., & Yannotta, M. (2012). Moving from anecdote to evidence: A proposed research agenda in community college mathematics education. *MathAMATYC Educator*, 4(1), 34-39.
- Duranczyk, I. M., & Higbee, J. L. (2012). Designing distance education for access and equity: Structure and content. Proceedings of the 28th Annual Conference on Distance Teaching and Learning, Madison, WI
http://www.uwex.edu/disted/conference/Resource_library/proceedings
- Duranczyk, I. M. & Higbee, J. L. (2012) Constructs of Integrated Multicultural Instructional Design (IMID) for the Mathematics Classroom. *Journal of Mathematics and Culture*, 6(1),148-177.
- Duranczyk, I. M. (2011). Critical Multicultural Instruction for Undergraduate Mathematical Thinking Courses. In M. Pytlak, T. Rowland, & E. Swoboda (Eds.). *Proceeding of the Seventh Congress of the European Society for Research in Mathematics Education* (pp.2972-2973). Retrieved from: <http://www.erme.unito.it/doc/cerme7/CERME7.pdf>
- Duranczyk, I. M., Madyun, N., Jehangir, R. R., & Higbee, J. L. (2011). Toward a mentoring model for promotion and tenure: Progress and pitfalls. *Journal of Diversity Management*, 6(2), 21-30.
- Higbee, J. L., Duranczyk, I. M., & Buturian, L. (2011). Implementing Integrated Multicultural Instructional Design in Blended Courses. Proceedings of the 27th

Annual Conference on Distance Teaching and Learning, Madison, WI
http://www.uwex.edu/disted/conference/Resource_library/proceedings/46163_2011.pdf

- Fayon, A. K., Goff, E., & Duranczyk, I. M. (2010) Impacting the attitudes of ELL students in an Introductory Science Course through integrated learning communities. *The Learning Assistance Review*, 15(2), 7-19.
- Duranczyk, I. M. (2009). Technology resources: Mathematics accessibility for all not accommodation for some. *MathAMATYC Educator*, 1(1), 18-22.
- Duranczyk, I. M. (2008). Characteristics of successful developmental mathematics education programs and students Part III. *The AMATYC Review*, 30(1), 48-56.
- Duranczyk, I. M. (2008). Characteristics of successful developmental mathematics education programs and students Part II. *The AMATYC Review*, 29(2), 22-40.
- Duranczyk, I. M. (2007). Characteristics of successful developmental mathematics education programs and students Part I. *The AMATYC Review*, 29(1), 2-12.
- Duranczyk, I. M. & Lee, A. (2007). Process pedagogy in a first-year learning community. *Academic Exchange Quarterly*, 11(2), 31-35.
- Fayon, A. K., Duranczyk, I. M., & Whitney, D. L. (2007). Doing time: Incorporating apatite fission-track analysis in undergraduate science curriculum. *Journal of Geoscience Education*, 55(3), 222-227.
- Duranczyk, I. M. (2007). Students' memories and experiences: A critical analysis of developmental education. *Research and Teaching in Developmental Education*, 23(2), 23-37.
- Duranczyk, I. M. (2007). Evaluation theory for developmental mathematics practitioners. *NADE Digest*, 3(1) 1-10.
- Staats, S., Duranczyk, I., Moore, R., Hatch, J., Jensen, M. & Somdahl, C. (2006). Communication for inquiry and access: Teaching techniques from discourse research. *The Science Education Review*, 5(3), 71-80.
- Duranczyk, I. M., & Higbee, J. L. (2006). Developmental mathematics in 4-year institutions: Denying access. *Journal of Developmental Education*, 30(1), 22-31.
- Jensen, M, Duranczyk, I., Staats, S., Moore, R., Hatch, J., & Somdahl, C. (2006). Using a reciprocal teaching strategy to create multiple-choice exam questions. *The American Biology Teacher*, 68(6), 67-71.
http://www.nabt.org/sub/pdf/o68_o6_0012.pdf
- Duranczyk, I. M., Goff, E., & Opitz, D. L. (2006). Students' experiences in learning centers: Socioeconomic factors, grades, and perceptions of the math center. *Journal of College Reading and Learning*, 36(2), 39-49.

- Duranczyk, I. M., Leopard, B., Caniglia, J. & Richards, E. (2005). *Math in the city: Connecting mathematics and culture*. (a monograph chapter that was invited, peer reviewed, and available from the International Study Group on Ethnomathematics Web site [http://www.rpi.edu/~eglash/isgem.dir/NASGEm/ncsm04/Duranczyk, Irene Math in City.pdf](http://www.rpi.edu/~eglash/isgem.dir/NASGEm/ncsm04/Duranczyk,IreneMath%20in%20City.pdf))
- Duranczyk, I. M., Leopard, B., Richards, E., & Caniglia, J. (2003). Rising stars. In T. Armington (Ed.), *Best practices in developmental education*, Vol. 2 (pp. 41-43). Findlay, OH: National Association for Developmental Education.
- Moore, R., Jensen, M., Hatch, J., Duranczyk, I., Staats, S., & Koch, L. (2003). Showing up: The importance of class attendance for academic success in introductory science courses. *The American Biology Teacher*, 65(5) 325-329.
- Caddell, E. H., Duranczyk, I., & Ajiri, S. (1975). Innovative project activities in science from the NSTA study of innovative project activities: Renaissance educational consortium ensuring individualized progress in technology and science (RECEIPTS). *The Science Teacher*, 42(6), 41.
- Caddell, E. H., Duranczyk, I., & Ajiri, S. (1975). Innovative project activities in science from the NSTA study of innovative project activities: Renaissance educational consortium ensuring individualized progress in technology and science (RECEIPTS). *The Science Teacher*, 42(5), 49-50.

PEER-REVIEWED BOOK CHAPTERS:

- Higbee, J. L., Duranczyk, I. M., & Ghore, D. L. (2008). Multicultural awareness project for institutional transformation: Making the case for Universal Instructional Design. In F. Ferrier & M. Heagney (Eds.), *Higher education in diverse communities. Global perspectives, local initiatives* (pp. 60-65). European Access Network and Higher Education Authority, Ireland
- Duranczyk, I. M. & Fayon, A. K. (2008). Successful undergraduate mathematics through universal instructional design of essential course components, pedagogy, and assessment. In J. L. Higbee & E. Goff (Eds.), *Pedagogy and student services for institutional transformation: Implementing Universal Design in higher education* (pp. 137-163). Minneapolis: University of Minnesota, College of Education and Human Development.
- Ghere, D. L., Kampsen, A. Duranczyk, I. M. & Christensen, L. (2007) Adopting and integrating multiculturalism: A closing assessment of General College. In D. B. Lundell, J. L. Higbee, & I. M. Duranczyk, *Diversity and the postsecondary experience* (pp. 25-36). Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.

- Duranczyk, I. M., & Opitz, D. L. (2005). Reaching for the standards, embracing diversity: Students' perceptions of the mathematics program. In J. L. Higbee, D. B. Lundell, & D. Arendale (Eds.), *The General College vision: Integrating intellectual growth, multicultural perspectives, and student development* (pp. 479 - 517). Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Duranczyk, I. M., Staats, S., Moore, R., Hatch, J., Jensen, M., & Somdahl, C. (2004). Developmental mathematics explored through a sociocultural lens. In I. M. Duranczyk, J. L. Higbee, & D. B. Lundell (Eds.), *Best practices for access and retention in higher education* (pp. 43-53). Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Warner, J. F., Duranczyk, I. M., & Richards, E. (2000). Developmental math students meet success in a cooperative program emphasizing concepts. In J. L. Higbee & P. L. Dwinell (Eds.), *The many faces of developmental education* (pp. 73-84). Warrensburg, MO: National Association for Developmental Education.
- Caniglia J. & Duranczyk, I. M. (1999). Understanding math backwards. In J. L. Higbee & P. L. Dwinell (Eds.), *The expanding role of developmental education* (pp. 43-55). Morrow, GA: National Association for Developmental Education.
- Duranczyk I. M. & Caniglia, J. (1998). Student beliefs, learning theories, and developmental mathematics: New challenges in preparing successful college students. In J. L. Higbee & P. L. Dwinell (Eds.), *Developmental education: Preparing successful college students* (pp. 123-138). Columbia: University of South Carolina, National Resource Center for the First-Year Experience & Students in Transition.
- Duranczyk, I. M. (1998). Unanticipated outcomes of developmental math education – A qualitative study. In D. C. Mollise & C. T. Matthews (Eds.), *NADE selected conference papers*, Vol. 3 (pp. 19-21). Carol Stream, IL: National Association for Developmental Education.

PEER-REVIEWED MONOGRAPHS:

- Lundell, D. B., Higbee, J. L., & Duranczyk, I. M. (Eds.) (2007). *Diversity and the postsecondary experience*. Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Lundell, D. B., Higbee, J. L., & Duranczyk, I. M. (Eds.) (2006). *Student standpoints about access programs in higher education*. Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Duranczyk, I. M., Higbee, J. L., & Lundell, D. B. (Eds.) (2004). *Best practices for access and retention in higher education*. Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.

- Higbee, J.L., Lundell, D.B., & Duranczyk, I.M. (Eds.). (2003). *Multiculturalism in developmental education*. Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Duranczyk, I. M. & White, W. G. (Eds.). (2003). *Developmental education: Pathways to excellence*. Findlay, OH: National Association for Developmental Education.
- Higbee, J. L., Lundell, D. B., & Duranczyk, I. M. (Eds.). (2002). *Developmental education: Policy and practice*. Auburn, CA: National Association for Developmental Education.

ARTICLES AND PUBLICATIONS (NOT-PEER-REVIEWED)

- Duranczyk, I.M., Loch, S., & Stottlemeyer, J. (Eds) (2013) *Collaborative statistics using spreadsheets*. Houston, TX: Rice University, Connexions (<http://cnx.org/content/col11521/latest/>)
- Duranczyk, I., Sitomer, A., Yannotta, M., Mesa, V. & Ström, A. (2012) *Advancing a research agenda in community college mathematics education*. Proceedings of the XV Conference on Research in Undergraduate Mathematics Education working groups.
- Platt, M., & Duranczyk, I. M. (2008). *Student's Solutions Manual for Intermediate Algebra by Richelle M. Blair*. Boston: Pearson Addison-Wesley.
- Platt, M., & Duranczyk, I. M. (2008). *Instructor's Solutions Manual for Intermediate Algebra by Richelle M. Blair*. Boston: Pearson Addison-Wesley.
- Duranczyk, I. M. (2005). Widening the Twin Cities mathematics and science education pipeline. In D. B. Lundell, J. L. Higbee, & S. Hipp (Eds.), *Proceedings of the Twin Cities Metropolitan Higher Education Consortium's Developmental Education Initiative* (pp. 75-81). Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Duranczyk, I. M. (2004) *Ethnomathematics reference list* (an annotated bibliography) Available from the International Study Group on Ethnomathematics Web site, http://www.rpi.edu/%7Eeglash/isgem.dir/texts.dir/er_Duranczyk.htm
- Siaka, K., Higbee, J. L., Miksch, K. L., Lundell, D. B., Jiang, F., Bruch, P. L., Jehangir, R., Goff, E., & Duranczyk, I. M. (Eds.) (2004). *Bibliography of resources for multicultural higher education*. Minneapolis: University of Minnesota, General College, Center for Research on Developmental Education and Urban Literacy.
- Caniglia, J., Duranczyk, I. M., Leopard, B., & Richards, E. (2003). *Story living and mathematics: The underground railroad*. Materials developed under a grant awarded by the Michigan Department of Education, Detroit Historical Museum
- Caniglia, J., Duranczyk, I. M., Leopard, B., & Richards, E. (2003). *Story living and mathematics: Music and culture*. Materials developed under a grant awarded by the Michigan Department of Education, Detroit Historical Museum

Caniglia, J., Duranczyk, I. M., Leopard, B., & Richards, E. (2003). *Story living and mathematics: The great fire of 1805*. Materials developed under a grant awarded by the Michigan Department of Education, Detroit Historical Museum

PROFESSIONAL PRESENTATIONS (PEER-REVIEWED):

INTERNATIONAL:

Duranczyk, I. M. (2013, February) *Open access textbook: The students' perspective in an undergraduate mathematical thinking statistics course with service learning*. Paper and Poster presented at the Eighth Congress of the European Society for Research in Mathematics Education (CERME). Antalya, Turkey.

Duranczyk, I. M. (2011, February) *Critical Multicultural Instruction for Undergraduate Mathematical Thinking Courses*. Paper and Poster presented at the Seventh Congress of the European Society for Research in Mathematics Education (CERME). Rzeszow, Poland.

Duranczyk, I. M. (2010, July), *Integrated Multicultural Instructional Design (IMID) for undergraduate mathematical thinking courses*. Paper (Duranczyk & Higbee) and poster presented at the International Conference on Ethnomathematics (ICEM), Towson, MD.

Higbee, J. L. Duranczyk, I. M. & Ghery, D. (2007, June). *Multicultural awareness project for institutional transformation: Making the case for Universal Instructional Design*. Paper presented at the 16th Annual Meeting of the European Access Network (EAN), Galway, Ireland.

NATIONAL:

Zientek, L. R., Duranczyk, I. M., Schoen, S., & Mesa, V. (2013, October) Community college research: Gathering evidence from a collection of dissertations. Paper presented at the 39th Annual Conference of the American Mathematical Association of Two-Year Colleges (AMATYC), Anaheim, CA.

Duranczyk, I. M. (2013, November) Undergraduate mathematics research from across the pond. Paper presented at the 39th Annual Conference of the American Mathematical Association of Two-Year Colleges (AMATYC), Anaheim, CA.

Duranczyk, I. M. & Higbee, J. L. (2013, February) Designing distance education for access and equity: Structure and content. Paper presented at Pennsylvania State System of Higher Education Virtual Conference, Transforming the teaching and learning environment.

Duranczyk, I. M. (2012, November). Classroom-Based Research Appetizers. Paper presented at the 38th Annual Conference of the American Mathematical Association of Two-Year Colleges (AMATYC), Jacksonville, FL.

- Duranczyk, I. M., & Higbee, J. L. (2012, August). Designing distance education for access and equity: Structure and content. Paper presented at the 28th Annual Conference on Distance Teaching and Learning, Madison, WI
- Duranczyk, I. M. (2011, November). Multicultural Classroom Research within Mathematical Thinking Courses. Paper presented at the 37th Annual Conference of the American Mathematical Association of Two-Year Colleges (AMATYC), Austin, TX.
- Higbee, J. L., Duranczyk, I. M., & Buturian, L. (2011, August). *Implementing Integrated Multicultural Instructional Design in Blended Courses*. Paper presented at the 27th Annual Conference on Distance Teaching and Learning, Madison, WI
- Higbee, J.L., Madyun, N., Duranczyk, I.M, Jehangir, R. (2010, November). *Evaluation of a Mentoring Model for Promotion and Tenure*. Paper presented at the Keeping Our Faculty of Color Conference, Minneapolis, MN.
- Duranczyk, I. M. & Taylor, J. (2010, November). *Building a Structurally Sound Research Bridge for Mathematics Equity*. Paper presented at the 36st Annual Conference of the American Mathematical Association of Two-Year Colleges (AMATYC), Boston, MA.
- Lee, A., Williams, R., & Duranczyk I. M. (2010, February). Excellence for all: Integrating student learning and development. Presentation at the 29th Annual Conference on the First-Year Experience (FYE), Denver, CO.
- Duranczyk, I. M. (2006, April). *Ethnomathematics algebra activities: Applying socio-cultural learning for engaging learners in discovering their innate mathematical power*. Workshop presentation at the 38th Annual Conference of the National Council of Supervisors of Mathematics (NCSM), St. Louis, MO.
- Higbee, J. L., Arendale, A., Murie, R., Ghery, D., & Duranczyk, I. M. (2006, February). *Developmental education: Intellectual growth, multicultural perspectives, and student development*. Panel presented at the 30th Annual Conference of the National Association for Developmental Education (NADE), Philadelphia, PA.
- Duranczyk, I. M. (2005, November). *Assessing students' perceptions: Avoid an undertow beyond crossroads*. Paper presented at the 31st Annual Conference of the American Mathematical Association of Two-Year Colleges (AMATYC), San Diego, CA.
- Duranczyk, I. M. (2005, November). *Trimming the sail: Maximizing mathematical and writing potential*. Invited, pre-conference institute speaker at the 38th Annual Conference of the College Reading & Learning Association (CRLA), Long Beach, CA.
- Higbee, J. L., Duranczyk, I. M., & Goff, E. (2005, October). *Ensuring a future of inclusion: Implementing Universal Design in learning centers*. Panel presented at the 20th Annual National College Learning Center Association (NCLCA) Conference, Milwaukee, WI.

- Duranczyk, I. M. (2005, April). *Ethnomathematics pedagogy: Using context, voice, and action to develop mathematical concepts and skills*. Paper presented at the 37th Annual Conference of NCSM, Anaheim, CA.
- Walker, S. Richards, E. J. & Duranczyk, I. M. (2005, March). *Research opportunities with elementary education majors*. Poster presentation at the 29th Annual Conference of NADE, Albuquerque, NM.
- Duranczyk, I. M. & Lee, A. (2005, March). *Harmonizing our writing/math voices*. Paper presented at the 29th Annual Conference of NADE, Albuquerque, NM.
- Lundell, D. B., Higbee, J. L., Arendale, D., Duranczyk, I. M., & Chung, C. (2005, March). *Creating access and defining college readiness for underserved students*. Panel presented at the 29th Annual Conference of NADE, Albuquerque, NM.
- Higbee, J. L. & Duranczyk I. M. (2004, September). *Writing and reviewing for The Learning Assistance Review*. Workshop presentation at the 19th Annual Conference of NCLCA, Towson, MD.
- Duranczyk, I. M., Leopard, B., Caniglia, B. & Richards, E. J. (2004, April). *Exploring mathematical concepts within cultural contexts and historic sites*. Paper presented at the 36th Annual Conference of NCSM, Philadelphia, PA.
- Higbee, J. L., Lundell, D. B., Ghery, D., Duranczyk, I. M., & Kalivoda, K. (2004, March). *Integrating multiculturalism in developmental education*. Panel presented at the 28th Annual Conference of NADE, St. Louis, MO.
- Wanstreet, K., Ahlering, J., Bakal, J., Duranczyk, I. M., Higgs, M. A., & Hodge, B. (2004, March). *What works in developmental mathematics*. Panel presented at the 28th Annual Conference of NADE, St. Louis, MO.
- Stephens, D. & Duranczyk, I. M. (2004, March). *Don't try this: What doesn't work in developmental mathematics*. Paper presented at the 28th Annual Conference of NADE, St. Louis, MO.
- Duranczyk, I.M., & White, W. (2003, February). *Harmonizing with developmental editors and reviewers: Writing for publication*. Workshop presentation at the 27th Annual Conference of NADE, Austin, TX.
- Caniglia, J., Duranczyk, I.M., Leopard, B., & Richards E. J. (2003, January). *Projects Supported by the NSF Division of Undergraduate Education*. MAA Poster Session at the Joint Mathematics Meeting. Baltimore, MD.
- Duranczyk, I.M., Leopard, B., Richards, E. J., & Caniglia, J. (2003, January). *Math in the city: Teacher professional development through Black historic sites*. Paper presented at the Joint Mathematics Meeting. Baltimore, MD.
- Chung, C., Duranczyk, I.M., Higbee, J. L. & Lundell, D. B. (2002, November). *Theoretical foundations: Fostering connections to research and practice*. Panel presented at the 35th Annual Conference of CRLA, Minneapolis, MN.

- Duranczyk, I. M. & Richards E. J. (2002, March). *Preparing elementary mathematics teachers for success: Implementing a research-based mathematics curriculum*. Presentation at the Meeting of Principal Investigators and Other Senior Personnel. NSF DUE Projects in Mathematics, Arlington, VA.
- Higbee, J. L., Lundell, D. B., & Duranczyk, I. M. (2002, March). *Writing for publication in developmental education: Mastering APA style*. Panel presented at the 26th Annual Conference of NADE, Orlando, FL.
- Richards, E. J., & Duranczyk, I. M. (2002, March). *Rising stars: Teaching emerging scholars in a Freshman Interest Group (FIG)*. Paper presented at the 26th Annual Conference of NADE, Orlando, FL.
- Duranczyk, I. M., & Richards, E. J. (2001, October). *The impact of Uri Treisman's Emerging Scholars Workshop Model when adapted for a developmental mathematics program*. Paper presented at the 3rd National Conference of Research in Developmental Education, Charlotte, NC.
- Duranczyk, I. M. (2001, October). *Voices of underprepared university students: Outcomes of developmental mathematics education*. Paper presented at the 3rd National Conference of Research in Developmental Education, Charlotte, NC.
- Higbee, J. L., Lundell, D. B., Duranczyk, I. M., & BanerjeeStevens, D. (2001, February). *Writing for publication in developmental education: Mastering APA style*, Panel presented at the 25th Annual Conference of NADE, Louisville, KS.
- McClory, S., Higgs, M. S., Duranczyk, I. M., & Stockton, B. (2001, February). *The present/future of mathematics remediation at colleges/universities*. Panel presented at the 25th Annual Conference of NADE. Louisville, KS.
- Richards, E. J. & Duranczyk, I. M. (2000, October). *Teaching technology in the developmental math classroom*. Paper presented at the Kansas City Regional Mathematics Technology Exposition, Kansas City, MO.
- Jur, B., Duranczyk, I. M., & Litchman, F. (2000, March). *The developmental mathematics home: Where should it be?* Panel presented at the 24th Annual Conference of NADE, Biloxi, MS.
- Caniglia, J., & Duranczyk, I. M. (1998, January). *Student beliefs, learning theories, and developmental mathematics*. Paper presented at the Joint Mathematics Conference, Baltimore, MD.
- Duranczyk, I. M. (1997, March). *Unanticipated outcomes of developmental mathematics education – A qualitative study*. Paper presented at the 21st Annual Conference of NADE. Denver, CO.
- DeZure, D., & Duranczyk, I. M. (1993, November). *A department-based model for instructional development: Using cases about teaching in the disciplines*. Panel presented at the 13th Annual Lilly Conference of College Teaching, Miami University, Oxford, OH.

STATE:

- Duranczyk, I. M. (2014, May). *Engagement in statistics through service learning*. Presentation at the Minnesota Mathematical Association of Two-Year Colleges and Minnesota Council of Teachers of Mathematics (MinnMATYC/MCTM) Spring Math Conference. Duluth, MN.
- Schoen, S., & Duranczyk, I. M. (2013, May). *Socio-cultural developmental mathematics for online or hybrid, secondary and postsecondary levels*. Presentation at the Minnesota Mathematical Association of Two-Year Colleges and Minnesota Council of Teachers of Mathematics (MinnMATYC/MCTM) Spring Math Conference. Duluth, MN.
- Duranczyk, I. M. (2013, March) Open access textbook: The students' perspective in an undergraduate mathematical thinking statistics course with service learning. Paper and Poster presented at the CE+HD Research Day. Minneapolis, MN.
- Duranczyk, I. M. (2012, May). *Engaging in a faculty development program designed around classroom-based research*. Presentation at the Minnesota Mathematical Association of Two-Year Colleges and Minnesota Council of Teachers of Mathematics (MinnMATYC/MCTM) Spring Math Conference. Duluth, MN.
- Fayon, A. & Duranczyk, I. M. (2010, November). *Postsecondary science education in a multicultural context: Addressing the science achievement gap*. Presentation at the Minority Education Partnership (MMEP) Frontiers in racial equity conference. Minneapolis, MN.
- Duranczyk, I. M. (2010, May). *Facilitating undergraduate mathematics education research goals among and between college campuses*. Presentation at the Minnesota Mathematical Association of Two-Year Colleges and Minnesota Council of Teachers of Mathematics (MinnMATYC/MCTM) Spring Math Conference. Duluth, MN.
- Higbee, J. L., Duranczyk, I. M., & Lundell, D. B. (2006, September). *Including every student: Implementing Universal Instructional Design in developmental education*. Panel presented at the Minnesota Chapter of the National Association for Developmental Education Annual Conference, September 28-29, 2006, Grand Rapids, MN.
- Mrachek, L. & Duranczyk, I. M. (2005, April). *Math cartoons: It's no laughing matter*. Presentation at the Minnesota Mathematical Association of Two-Year Colleges and Minnesota Council of Teachers of Mathematics (MinnMATYC/MCTM) Spring Math Conference. Duluth, MN.
- Duranczyk, I. M. (2005, April). *Surveying undergraduates: Do students' perceive the impact of AMATYC's teaching and learning standards?* Paper presented at the MinnMATYC/MCTM Spring Math Conference, Duluth, MN.
- Duranczyk, I. M., Wyberg, T., Lee, L., & Chu, R., (2005, January). *Building bridges K-16 in mathematics for access and college success*. Paper presented at the Metropolitan Higher Education Consortium Conference, St. Paul, MN.

- Mrachek, L. & Duranczyk, I. M. (2004, April). *Math in the movies and other applications*. Presentation at the Minnesota Spring Math Conference, Duluth, MN.
- Duranczyk, I. M. (2004, April). *Exploring ethnomathematics and sociocultural pedagogy in developmental mathematics courses*. Paper presented at the MinnMATYC/MCTM Spring Math Conference, Duluth, MN.
- Duranczyk, I.M. (2003, September). *Incorporating diversity into developmental mathematics: How ethnomathematics research can inform developmental mathematics research and practice*. Paper presented at the Minnesota Chapter of the National Association for Developmental Education Annual Conference, Grand Rapids, MN.
- Duranczyk, I. M. (2000, February). *Developing learning communities and emerging scholars program with under-prepared college students*. Paper presented at the Michigan Developmental Education Consortium (MDEC) Conference Annual Conference, Frankenmuth, MI.

INVITED (NOT PEER REVIEWED):

- Duranczyk, I. M. (2012, November). *Universal Design: Distance Education Design for Access and Equity*. Workshop for the University of Minnesota, College of Education and Human Development's Trek's ongoing workshops. Minneapolis, MN.
- Duranczyk, I. M. (2008, April) *Implementing Universal Instructional Design (UID) in math and science teaching and learning centers (AKA Learning disorders and helping students cope)*. Keynote Address and Workshop for the Midstates Consortium for Math and Science Faculty Development Workshop. Colorado Springs, CO.
- Duranczyk, I. M. (2007, October) *Implementing Universal Instructional Design (UID) in teaching practices*. Keynote Address and Workshop facilitator for Thomas College Faculty Development Session, Waterville, ME.
- Duranczyk, I. M. (2006, October) *From theory to practice*. Keynote Address for the 1st Academic Foundations Program Conference addressing administrators, faculty, and staff, Grand Rapids, MI.
- Duranczyk, I. M. (2005, August). *Making math instruction culturally meaningful*. Invited guest speaker for the Community College of Baltimore County Symposium, Engaging Learners Transforming Lives, Baltimore, MD.
- Duranczyk, I. M. (2005, February) *Ethnomathematics: An inclusive pedagogy and authentic assessment*. Paper Workshop presentation at the Minnesota's Future Teachers Conference, Metro State University, St. Paul, MN.
- Duranczyk, I. M. (2004, May). *Dare to dream: Freeing the spirit and the mind*. Workshop presentation at Robert Moses Day, Jackson, MS.

Duranczyk, I. M. (2003, May). *Empowerment through ethnomathematics: The “Radical Equations” way to explore properties of numbers*. Workshop presentation at Robert Moses Day, Jackson, MS.

Duranczyk, I. M. (2001, April). *Seeing the humor in mathematics education: The joys and the challenges of teaching mathematics*. Keynote speaker at the Department of Mathematics Student Recognition Program, Eastern Michigan University. Ypsilanti, MI.

POSTSECONDARY TEACHING

GRADUATE

Increasing Access and Success in Undergraduate Classrooms, Postsecondary Teaching and Learning Associate Professor, College of Education and Human Development, University of Minnesota. 2012-present.

Research in Developmental Education, guest lecturer, Department of educational leadership, Grambling State University, 2006 – 2009

Doctoral Committee member for Mary Corey, Grambling State University 2007 – 2011.

UNDERGRADUATE

Introductory Statistics: A basic statistical course exploring key concepts while engaging students in statistical work through the design, implementation, and analysis of a study of their choice based on their unique survey tool. This course is now a service learning course where student conduct a statistical survey for an agency working on Justice and Equity services and issues.

First Year Inquiry Course: A multidisciplinary course for first year students that integrates academic learning and student development. Mathematical thinking and critical thinking skill are integrated into humanities and social sciences texts around the theme, “How can one person make a difference?”

Beginning algebra through college algebra, logic for enhancing mathematical thinking, and math topics for business majors 1990 – present.

GeoLogic: A learning community integrating introductory geology content, study skills, and introductory logic for first year college students, fall 2007.

Inquiry-based teaching: Beginning and intermediate algebra, finite mathematics for social science and business majors, 1990 – 2006.

House about writing and mathematics: A process approach to college writing, beginning algebra and service learning with Habitat for Humanity, fall 2005.

Harmonizing our mathematics and writing voices: A learning community integrating a process approach to beginning algebra and first year college writing, fall 2004.

Mathematics in the CITY: a pre-service mathematics content course exploring cultural sites in Detroit, MI and Windsor, Ontario followed by designing elementary and middle school mathematics materials based on Michigan mathematical standards, 2001 – 2002.

Emerging Scholars Program: taught in a four semester, two-year learning community of pre-service elementary and middle school teachers, teaching developmental mathematics through mathematics teaching methods, 1999 – 2002.

SELECTED PROFESSIONAL ASSIGNMENTS AND ACTIVITIES

Working group coordinator for Research in Mathematics for Two Year Colleges at the MAA (Mathematical Association of America) Research in Undergraduate Mathematics Education (RUME) session for 2013. Denver, CO.

Appointed member of the AMATYC Task Force on Standards – 2012. This group (14 persons) is charged with reviewing and making recommendations for the revision of AMATYC Beyond Crossroads Document, the profession standards for introductory college mathematics before calculus.

Central Region Coordinator for RMETYC (Research in Mathematics Education for Two-Year Colleges. Fall 2009 – Present. A national appointment by the AMATYC (American Mathematical Association for Two-Year Colleges) Board.

Program reviewer for the developmental mathematics program, Palo Alto College. March – May 2005. San Antonio, TX.

Proposal review panel member for the National Science Foundation, January 2003.

Invited participant, 2nd Intentional Meeting on Future Directions in Developmental Education, University of Minnesota, The Center for Research on Developmental Education and Urban Literacy, April, 2001 Minneapolis, MN.

Selected participant in the 1999 – 2001 NADE Think Tank.

Past-president, Michigan Developmental Education Consortium (MDEC) 2000 – 2001.

Selected participant in the 1999 and 2000 State-Level Community College Leadership Conference: Charting the course for the new century. Sponsored by Office of the Vice-Provost for University Outreach, Michigan State University and the Post-Secondary Services Unit, Michigan Department of Education.

President, Michigan Developmental Education Consortium (MDEC) 1999 – 2000.

President-elect, Michigan Developmental Education Consortium (MDEC) 1998 – 1999.

SELECTED COLLEGIATE ASSIGNMENTS AND ACTIVITIES

Member of the University Senate Committee, Equity, Access and Diversity, 2013 - present.

Member of the Vice President for Equity and Diversity Search Committee, Jan., 2011 – Nov., 2012

Participant in the I-pad Faculty Learning Committee, 2010 -2011

Participant in the Transform Trek, Summer 2010

Chair of the University Senate Committee, Equity, Access and Diversity, 2009 – 2013.

Participant in the Mid-Career Faculty Women's Community, Center for Teaching and Learning, 2009-2010.

Elected member of the College of Education and Human Development (CEHD) Governing Council representing PsTL, 2008 – present

Member of the CEHD Teaching and Learning (TnL) Neighborhood Coordinating Group, 2007 – 2009

Member of the Department of Postsecondary Teaching and Learning (PsTL) Assessment Working Group, 2007 – 2009

Chair of the Scholarship Committee for PsTL, 2007

Member of the CEHD Continuing Professional Education and Development Committee (CPEDC), 2006 – 2007

Elected member of the General College Curriculum Committee, 2005 – 2007

Working member of the Washington Center Evergreen Learning Community National Summer Institute, Olympia, WA., June 2005

Advisory committee member of the General College Alumni Society Committee, 2004 – 2007

Fellow, Service-Learning. University of Minnesota, 2004 – 2005

Member of the General College Grants Coordinator Search Committee, spring 2004

Invited participant for the Metro Higher Ed Consortium, January 2004 - 2005

Participant in the University of Minnesota, Next Generation of the Professorate Program 2003 – 2004

Participant in the University of Minnesota, Early Careers Teaching Program, 2003 – 2004

Member of the General College Director, Development and Alumni Relations Search Committee, Summer 2003

Panel member for the General College Academic Misconduct Hearing, Summer 2003

Member of the General College Multicultural Concerns Committee, 2003 – 2006

Elected member of the General College Policy and Planning Committee 2003 – 2005

Invited participant, 3rd Intentional Meeting on Future Directions in Developmental Education, University of Minnesota, The Center for Research on Developmental Education and Urban Literacy, November, 2002

Advisory board member for The Center for Research on Developmental Education and Urban Literacy, 2002 – 2008

Webmaster for Michigan Developmental Education (NADE chapter) Consortium Jan 2000 – July, 2002

Member of the Eastern Michigan University (EMU) Mathematics Department Head Search Committee, appointed by the Dean of Arts and Sciences. October, 2001 – March 2002.

Member of the EMU Strategic Planning Committee, Crosscutting Committee on Undergraduate Education, 2001

Fellow, EMU Instructional Technology, 2000 – 2001

Advisory council member for The Holman Learning Center 1998 – 1999

Member of the Basic Studies Task Force, 1998

Member of the EMU Retention Council and co-chair of the New Student Retention Assessment Subcommittee, 1994

EDITORIAL ACTIVITIES

Invited reviewer for book proposal for *Introduction to Cultural Mathematics: With Case Studies in the Otomies and the Incas* by Thomas Gilsdorf with the John Wiley & Sons publishing company.

Invited guest editor for Journal of College Reading and Learning, 2010-2011

Invited guest editor for Journal of Urban Mathematics Education (JUME), 2010-2011.

Invited accuracy checker for Elementary/Intermediate Algebra by George Woodbury, Addison-Wesley, 2010.

Invited accuracy checker of *Business Mathematics* by Charles Miller, Stan Saltzman, & Gary Clendenen, Addison-Wesley, 2007

Invited co-editor of *The Learning Assistance Review*, 2004 – 2006

Invited co-editor of the *Center for Research on Developmental Education and Urban Literacy Monograph Series*, 2003 – 2007

Invited chair of a special NADE adhoc committee to recommend new guidelines and structures for NADE publications, March 2003 – March 2004

Invited guest editorial board member of *The Learning Assistance Review*, spring 2003.

Invited reviewer of *Introductory Algebra for The Next Millennium* by Rikki Blair, 2003.

Co-editor of the *National Association of Developmental Educators Monograph Series*, April, 2000 – 2003

Invited reviewer of *Elementary Algebra* by Tom Carson and Ellyn Gillespie, Addison-Wesley, 2002

Invited accuracy checker of *Mathematics in Action, Prealgebra Problem Solving*, Addison Wesley, 2002

Invited comparative reviewer of *Elementary Algebra: concepts and Application, 6e* by Bittinger/Ellenbogen vs. *Beginning Algebra, 3e* by Martin-Gay, Addison-Wesley, Winter 2002

Editorial board member of the The Center for Research on Developmental Education and Urban Literacy, 2001 – 2002

Co-editor of the *MDEC Selected Conference Papers*, April – September, 2000

Member of the National Association of Developmental Educators (NADE) Reader and Strand Leader for Conference proposals in Mathematics 1998 – 1999, Editorial Board Member.

RESEARCH IN PROGRESS

Duranczyk, (2006 – present) The intersection of Universal Instructional Design, ethnomathematics, socio-cultural learning theory, and multicultural mathematics with entry-level undergraduate mathematics course content, pedagogy, and assessment. The review of the literature is complete. Data is being collected and analyzed. Draft materials are being generated.

Duranczyk (2003 – 2005, present). Student perceptions of the General College mathematics program. A survey soliciting student perceptions and recommendations regarding their intellectual development, mathematics course content, and pedagogy. Data was collected with SES information, race/ethnicity identification and mathematics grades. Survey instrument designed on the AMATYC standards for Developmental Mathematics. First article based on 3 years of data has been published. Data from fall 2004-2005 has being analyzed and will result in 2-3 more articles.

Duranczyk (2003 – 2005) Using testing and assessment strategies to enhance student learning. Data has been collected. Articles will follow.

Duranczyk (2007 – present). Determining the institutional factors and student characteristics that correlate with student success in mathematics and the retention and graduation of undergraduate students in CEHD.

Duranczyk and Fayon. (2007 – 2009) GeoLogic: Determining the success of a learning community of geology and logic and its impact on students attitudes using the Colorado Learning Attitudes About Science Survey (CLASS) with modification from physics to geology and mathematical thinking.

PROFESSIONAL MEMBERSHIPS

Mathematical Association of America

National Council of Supervisors of Mathematics

National Council of Teachers of Mathematics

American Mathematical Association of Two-Year Colleges

TODOS, Mathematics for ALL

North American Study Group on Ethnomathematics

National Association for the Advancement of Colored People

Southern Poverty Law Center - Teaching for Tolerance

Michigan Chapter of the Mathematical Association of America