

Jennifer Swartout
1621 Napoli Drive West
Sarasota, Florida 34232
941-737-7143 e-mail: jswartout@aol.com

Professional Profile

Eager to bring students into the twenty-first century using a unique combination of education experience coupled with over fifteen years' business background in the construction industry.

- Hold a Master's of Science Degree in Mathematics.
- Hold a Bachelor's Degree in Applied Mathematics.
- Experienced in use of the Internet and educational software.
- Dedicated to enthusiastic and dynamic teaching as a means of creating and nurturing a lifelong love of knowledge in students.

Education, Honors, and Certifications

Masters of Science Mathematics

Nicholls State University, Thibodaux, Louisiana May 2012

Graduate Certificate, Instructional Technology, Multimedia Design

University of South Florida, Tampa, Florida, May 2018

Educational Specialist Program, Instructional Technology

University of South Florida, Tampa, Florida, Anticipated Completion May 2023

Bachelor of Science Applied Mathematics

University of West Florida, Pensacola, Florida 1992

Associate of Science Civil Engineering Technology

Manatee Community College, Bradenton, Florida 2001

International Honor Society (Phi Theta Kappa) Member

International Honor Society (Kappa Delta Pi) Member

Certifications

State of Florida Eligibility Letter of Certification in Mathematics (Grades 6-12)

State of Florida Licensed Building Contractor CBC 1253505

ANGEL I & II Certified Online Courses

CANVAS Certified Online Courses

BlackBoard Certified Online Courses

"Applying the Quality Matters Rubric" Certified for Online Courses

Key Qualifications

Plan and instruct each subject area using wide variety of teaching aids, motivational and implementation strategies to engage students in active learning.

Implement technological approaches to subject material. Research educational resources on the Internet.

Experienced College Mathematics Instructor and Mathematics Tutor

Currently work with students of all ages and all skills levels in the area of Mathematics. Able to complete assessments of student's skill level.

Computer Skills

- Software: Microsoft Windows®, MS Word, MS Excel, MS Access, MS PowerPoint, MS Project, MS Publisher, MS Outlook, WordPerfect, Lotus123, AutoCAD, SAS
- Internet instructional programs: MyMathLab, BlackBoard, ANGEL, Moodle, CANVAS
- Working knowledge of the Internet

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Employment

Professional Development in Education and Tutoring

- **Associate Instructor of Mathematics, University of South Florida**, August 2022 to Present
- **Instructor of Mathematics, University of South Florida St. Petersburg**, August 2018 to August 2022
- **Co-Coordinator Department of Biological Sciences, Mathematics, University of South Florida St. Petersburg**, August 2018 to December 2018
- **Visiting Instructor of Mathematics, University of South Florida St. Petersburg**, August 2016 to August 2018
- **Faculty Advisor STEM Club at USFSP, University of South Florida St. Petersburg**, January 2017 to Present
- **Mathematics Instructor**, State College of Florida, August 2015 to August 2016
- **Adjunct Faculty, IVY Tech Community College**, September 2013 to May 2015
- **Adjunct Faculty, State College of Florida**, August 2011 to May 2015
- **Lab Instructor, State College of Florida**, July 2009 to August 2011
- **Mathematics Tutor, 1st grade thru College**, February 2008 to July 2010
- **Graduate Student in Mathematics**, January 2009 to May 2012
Nicholls State University, Thibodaux, Louisiana

Construction Related Positions

- **Licensed Building Contractor**, June 2006 to July 2010
Gateway Homes, LLC, Sarasota, Florida
- **General Manager**, July 2006 to September 2006
Capstone Construction Group, LLC, Sarasota, Florida
- **Construction Project Manager**, July 2001 to May 2006
Frye General Contracting, Inc., Bradenton, Florida
- **Installation Support Coordinator**, July 1999 to July 2001
Pinnacle Towers, Inc., Sarasota, Florida
- **Project Manager**, March 1995 to July 1999
Magee Sign Service, Inc., Palmetto, Florida
- **Inventory Control Manager**, November 1994 to March 1995
Trailmate, Inc., Sarasota, Florida
- **Project Manager**, June 1993 to November 1994
Bell Signs, Panama City, Florida

Professional Affiliations

Member, Mathematical Association of America

Professional Development

- University of South Florida St Petersburg
IRB Workshop Certification, Fall 2021
Online Instructor Certification, Fall 2020
Kaltura Basics, Fall 2020
Pearson, How Do I Design Effective Combinations of Gamified Elements to Encourage Deeper Learning, Fall 2019
Attended ICTCM Conference, Spring 2018
Pearson, Faculty Success = Student Success, Fall 2016
Pearson, Learning Analytics, Fall 2016
Pearson, Digital Learning, Fall 2017
- Conferences
International Conference on Technology in Collegiate Mathematics, Spring 2019
Participated in Panel discussion "Remediation in College Algebra"
Bay-to-Bay Learning Symposium, Spring 2019

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Poster Session Presentation: Immersive Technology

- State College of Florida:
 - Diversity in the Classroom, Fall 2012
 - Best Practices for Student Engagement, Spring 2012
 - Taming the Grading Monster, Fall 2014
- MAA/FTYCMA:
 - Attended Joint Meeting, Spring 2016
 - Attended Joint Meeting, Spring 2017
- Pearson North America Education:
 - Teaching and Technology, Fall 2016
- IVY Tech Community College:
 - Online Course Mentor, Fall 2014
- National Council of Teachers of Mathematics
 - Using Jokes and Humor Effectively in Mathematics Classroom, Fall 2013
- League for Innovation in the Community College
 - Getting Started (Exemplary classroom practice and online resources and strategies), Spring 2015

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Teaching Philosophy

Higher education is the cornerstone for advancement in today's job market. The way that I approach teaching mathematics is to build a foundation for students to succeed in mathematics as well as other areas of their life. I have spent many years in the construction industry and I am able to relate mathematics to real world situations. For example, when teaching the Pythagorean Theorem, I am able to explain how this is applicable to building construction and how the masons use it to ensure a square foundation for the building. Another example would be similar triangles, in the sign industry I would have to use a photograph and a known height of an object to determine the overall height and size of a sign.

The measure of my success is when a student thanks me for teaching them and has had personal success in the classroom. Why I am teaching? After college I had intended on teaching, but I started in the construction industry and continued on with this as a career path. I was diagnosed with cancer in 2006 and evaluated my career goals and I knew that construction was not my passion. I decided to work on a master's degree in Mathematics while I was recovering so that I could teach. I know, why someone would do that, I truly love teaching mathematics. I am excited that I now have the opportunity in the classroom to share the knowledge that I gained through my education and real world experiences.

In the classroom I strive to challenge the students and keep them engaged – doing problems together and asking follow-up questions. Students like to learn this way and feel fulfilled when they come away from the classroom using this technique. I have found that students learn better actively then passively. I strive to present my lectures in a logical sequence and build upon the previous skills that the student has learned and in doing so the student can understand the material in a rational manner. I am always available to my students for questions whether it is in the classroom or outside of the classroom. When teaching I ensure that the students know that I care about their progress and success in the classroom. Whether they are the strongest student in the classroom or the weakest each of them receives the same amount of respect and quality instruction from me.

I currently work with students in the classroom on a face-to-face basis as well as learning through MyLab Math. For many students, especially developmental course, students need the experience in the classroom to further their mathematics. Many do not have the skills, such as note taking, problem solving, and computer skills to be successful in mathematics or other classes. For the students in higher level mathematics course, I continue to reinforce the skills they have already acquired. I approach the classroom and teaching in a more business-like environment. I believe that the students feel that they are more respected. During classes I use the internet and other multimedia to introduce new areas or review areas that have already been completed, for reinforcement of the subject matter. I completed my master's degree through an online program and understand the difficulty that a student would face. Using the internet is essential for success. Communication through email and face-to-face meetings, such as Skype, are needed to learn through an online program.