

PROFILE

- 30 years of successful teaching mathematics from middle-school mathematics to AP Calculus and AP Statistics.
- Dedicated to promoting the academic development of every student.
- Experience working with students from all academic backgrounds.

PROFESSIONAL EXPERIENCE

**MATHEMATICS EDUCATOR / ADVISOR / COORDINATOR** Newman Catholic High School, Wausau, WI 2006 – Present  
Mathematics Educator

- **Teach Advanced Placement Calculus, Precalculus, Algebra 2-Trigonometry, Statistics & Special Topics**
- Developed Grades 6–12 standards-based Mathematics curriculum. Focus on both basic objectives and higher-order thinking skills.
- **Integrate technology into the classroom:** Utilize statistics packages, CAS (computer algebra systems) as well basic operations such as function graphing, tabular outputs, matrix operations, equation solvers, calculus operations, permutation and combinations, etc.

Advisor

- **Newman Catholic High School Mathematics Team**
- **School Manager, American Mathematics Competitions.**

Coordinator

- **Founder and Coordinator:** Newman Catholic High School Summer Academic Enrichment Program.
- **Teacher:** *Focus on Statistics.* Course syllabus culled from Advanced Placement Statistics syllabus.

**MATHEMATICS EDUCATOR** Kwajalein Junior-Senior High School, Republic of the Marshall Islands 1989 -2006

- **Taught: Advanced Placement Calculus AB, Advanced Placement Calculus BC, AP Statistics, AP Computer Science Programming in the Java Language, Precalculus, Algebra 2-Trigonometry, Geometry, Algebra I, Prealgebra, Middle School Mathematics.**

**CONSULTANT**

Access Academy to Asian University for Women; Chittagong, Bangladesh.

- Development of Mathematics Assessments for Students from nations throughout South Central Asia.
- Development of College Preparatory Mathematics Curriculum for same students.
- Conducted on site in-service for teachers at the Academy.

**PRIVATE TUTOR**

- Clients include students from Wausau East High School, Wausau West High School, Merrill High School, D.C. Everest High School, Horace Mann Middle School, Athens High School, Athens Middle School as well as home schooled, undergraduate and adult clients.

PROFESSIONAL AFFILIATIONS

- **National Council of Teachers of Mathematics (NCTM)**
- **Wisconsin Mathematics Council (WMC)**
  - Executive Board, 1985 – 1987.

CERTIFICATIONS

- **License 40 Professional Educator**
  - Mathematics, Grades 7–12, WI DPI #400
  - Computer Science, Grades 7 – 12, WI DPI #405

ACADEMIC PREPARATION

- **Bachelor of Science, Mathematics Major, Secondary Mathematics Teaching Certification** University of Wisconsin - Madison, 1982
- **Woodrow Wilson National Fellowship Foundation Master Teacher**, Princeton University, 1984.

## ACHIEVEMENTS

### Awards

- State of Wisconsin Presidential Awardee for Excellence in Mathematics Education, 1988 & 1989.

## PROFESSIONAL PRESENTATIONS

- Nearly 100 presentations, in-services and workshops at national, regional and state conferences and for school districts and universities throughout the United States.

## PUBLICATIONS

**Barbella, Peter**, James Kepner; Richard Scheaffer. *Exploring Measurements*; Dale Seymour Publications (1994).

**Barbella, Peter**, Dr. Murray Siegel. "Queueing: A Human Simulation". *Teaching Statistics*, Spring 2001.

**Barbella, Peter**, Lorraine Denby, James Landwehr, "Realistic Examples from Elementary Statistics". *Mathematics Teacher* September 1987.



S N A P S H O T  
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