

**The Evolution of Professional Development**  
**Developmental Mathematics**  
**Pellissippi State Community College**  
**AMATYC 2012**

**Fall 2008:** Full implementation of a completely redesigned developmental math program.

- Traditional lecture → Collaborative learning
- Textbook → Online software
- Classroom → Classroom & Computer classroom

❖ **Professional Development**

- Two 4-hour sessions + a 2-hour session during college-wide adjunct inservice
- Focused on:
  - Structure of New Courses
  - Online Software
  - Course Management System
- Areas that Needed Improvement
  - Philosophy of the Redesign
  - How to Teach in a Collaborative Classroom
  - How to Teach in a Computer Classroom

**Fall 2009:** Two 4-hour sessions + a 2-hour session during college-wide adjunct inservice

- Focused on:
  - Results from 2008
  - Philosophy of the Redesign
  - Collaborative Activities
  - Online Software
- Areas that Needed Improvement
  - New Faculty Training

**Fall 2010:** Added New Faculty Training

- New Faculty Training: (4-hour session 10 days before classes begin)
  - Course Structure/Policy
  - Student Information System (Banner)
  - Course Management System (D2L)/Webmail
  - Reports
  - Software Training
- New & Returning Faculty Training: (4-hour session a week before classes begin + a 2-hour session the week classes start)
  - Philosophy & Goals of the Program
  - Curriculum Changes
  - New Reports
  - Modeling New Classroom Activities

**Fall 2011:** Continued with 4-hour New Faculty Training and 2 sessions for New & Returning Faculty

- Philosophy & Goals of the Program
- Curriculum Changes
- Faculty Handbook
- Modeling New Classroom Activities
- Tying the Classroom Activities to the Software Assignments
- Early Intervention Strategies for At-risk Students

**Spring 2012:** Continued with 4-hour New Faculty Training and 2 sessions for New & Returning Faculty

- Discussion of Failure Syndrome: Active learning & student engagement instead of memorization
- Interactive Technology Stations: Online software, reports, student information system, course management system
- Tutor Training
- Small Group Stations: different classroom activities—how to implement, how to integrate with software, how to make relevant to students

**Fall 2012:** Continued with 4-hour New Faculty Training and 2 sessions for New & Returning Faculty

- Reading Strategies for MATH students
- Overview of Course Progression
- Big Picture Activities Focusing on Conceptual Understanding
- Interactive Stations for Modeling Classroom Activities
- Guest Speakers from Student Services: Counseling, Services for Students with Disabilities, TRIO, Behavioral Intervention Team, Student Success Coordinator

## **GOALS OF PROFESSIONAL DEVELOPMENT**

- ❖ **Promote a community of educators who collaborate to improve the program and student success**
- ❖ **Reinforce the constructivist philosophy of teaching and learning**
- ❖ **Provide the opportunities to experience and create active learning content**
- ❖ **Learn how to integrate technology to improve student learning**
- ❖ **Promote consistency in the courses, programs, and department**
- ❖ **Focus instruction on real-world applications and skills**
- ❖ **Help faculty integrate student support services into their course**

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