**REGISTRATION DEADLINE: June 2, 2014**

(You will be notified < June 4 whether this workshop has enough participants.)

To register for “**Mathematics HQT Certification**”, please complete this form and mail it with the fees to Bluffton University, Office of Adult & Graduate Studies (address below) or call 1-800-488-3257 option 4 or FAX 419-358-3399.

**To register on-line—see bottom of this page.**

(Please feel free to make copies of registration for colleagues.)

Name

 Preferred first name for nametag:

Address (H)

City ST Zip

Telephone (H)

School School e-mail

Yrs teaching experience Home e-mail

Classes/Grade Level

Currently Teaching:

 Check here if you do NOT want your home # or address given to other participants on the roster sheet sent prior to the workshop.

**Payment – Please make checks payable to Bluffton University**

 **(Sorry, we are not accepting payment by credit card.)**

**Cost:** **Regular Registrants**

 **Tuition and all materials ($125 or $150) $**

 **OR Graduate Credit Registrants**

 **1 Hour Graduate Workshop Credit ($275 or $300) $**

 **Plus (if applicable)**

 **Lodging and Food for non-commuters ($76 or $100) $**

**Total Enclosed $**

**NOTE: You need to pay the extra $25 for OCTM Membership only ONCE per summer.**

**NOTE: You may register for full-length workshop only!**

Bluffton University For more information on Seminar content,

Office of Adult and Graduate Studies contact Duane Bollenbacher at

1 University Dr. Box 20 (H) 419/358-7365 (W) 419/358-3296

Bluffton, OH 45817 **bollenbacherd@bluffton.edu**

**mastc@bluffton.edu** **(Carrie Mast) 419-358-3065**

**You may register On-Line at**

[**http://www.bluffton.edu/grad/gpe/workshops/**](http://www.bluffton.edu/grad/gpe/workshops/)

**OR go to Bluffton.edu and follow the links through Academic Life, Degree Programs, and then Graduate Programs (click box just left of center). Following on-line registration, you (or your school) can send in the payment.**

**ATTN: All Teachers of Mathematics**

**Duane Bollenbacher’s 26th Annual Summer Mathematics Workshops**

**At Bluffton University, Bluffton, Ohio*.***

**\*\*Air Conditioned Classroom and Residence Hall\*\***

 **“HQT Certification for the Intervention Specialist**

**In Mathematics Content”**

**Tuesday, Wednesday, Thursday – June 10-12, 2014**

**8:30 am - 4:30 pm**

**Instructor: Duane Bollenbacher, Bluffton University**

**\*\* Note: This course is the same as 2008—2013**



**The following credit is available:**

 **1 semester hour graduate workshop credit or 22.5 contact hours for LPDC Credit**

**List of 2014 Summer Mathematics Workshops At Bluffton University**

**Tues - Thurs, June 10-12:**

 ***“HQT Certification for Intervention Specialist in Mathematics Content”***

 **(A Repeat Of Summers 2008—2013) INSTRUCTOR: Duane Bollenbacher, Bluffton Univ.**

 **(If you are an Intervention Specialist, this class, plus one other, will certify you in HQT Math Content)**

**Tues-Thurs, June 17-19:**

 **“K- 2 Activities & Problem-Solving to LEARN and to TEACH GOOD Mathematics”**

 **(This Is A New Offering For 2014) Instructor: Dr. Lesley (McCue) Evans, University of Dayton**

 ***“Best Practices for Rational Numbers: Fractions and Decimals Grades 3 – 5”***

 **(This Is A New Offering For 2014) Instructor: Marilyn Link, Retired, Coldwater, OH**

 ***“Keeping Current in An Ever-changing World of a Middle School Mathematics Teacher”***

 **(This Is A New Offering For 2014) Instructor: Becky Link, MS Teacher, Ft. Recovery, OH**

 ***“Using Problem-Solving Techniques to LEARN and to TEACH Good HS MATHEMATICS*”**

 **(This Is A New Offering For 2014) Instructor: Chris Bolognese, Upper Arlington Schools, OH**

**Tues-Thurs, June 24-26:**

 ***“Proven and Effective Methods for Passing the End-of-Course Exam”***

 **(This Is A New Offering For 2014) Instructor: Duane Bollenbacher, Bluffton University**

**Tues-Thurs, Aug 5-7:**

 ***“Proven and Effective Methods for Passing the End-of-Course Exam”***

 **(This Is A New Offering For 2014; REPEAT from June 24-26, 2014) Duane Bollenbacher**

**Completion of ANY TWO of these workshops may be used by an INTERVENTION SPECIALIST to become a HIGHLY QUALIFIED TEACHER (HQT) in mathematics CONTENT.**

***HQT Certification for Intervention Specialist***

***in Mathematics Content***

**Duane Bollenbacher**

**\*Note: This course is a repeat of 2008--2013 HQT workshops.**

**Description**

 This 3-day course is designed for the Middle School or High School INTERVENTION SPECIALIST (and MS and HS mathematics teacher) to become more knowledgeable about learning and teaching GOOD mathematics.

 This course will help the participant to see his/her very important role in preparing the students to gain confidence in their mathematics classes. It is designed to improve your capacity to implement the academic content standards, to build your knowledge and skills in both pedagogy and mathematical content, to use cooperative problem-based activities, and to work on becoming “highly qualified”.

 **This course, along with one other course, may be used by an INTERVENTION SPECIALIST to become a HIGHLY QUALIFIED TEACHER (HQT) in mathematics CONTENT.**

**Content**

References to Common Core State Standards

Special Rules in Arithmetic and Algebra

Basic Geometric and Measurement Concepts

Basic Probability; Fractions, Decimals, Percents

Ratios and Proportions; Prime Numbers and Factors

Patterns and Polynomials

Number bases; Roman Numerals

Problem-based and Discovery Approaches

Problem-solving strategies

Projects and FUN Activities for all grade levels

Group work, team work, and cooperative learning

**Prerequisites**

* **Email Duane at** **bollenbacherd@bluffton.edu** **with any special requests or questions about the workshop or workshop content**

**Course Expectations**

 Attendance at all sessions

 Participation in all activities

 Sharing teaching ideas that have worked for you

**Sponsored By**

 Bluffton University Mathematics Department

Bluffton University Office of Adult & Graduate Studies

Bluffton University Master of Arts Education Program

Ohio Council of Teachers of Mathematics

**OCTM Non-**

**Cost** **Member Member**

 Regular Registrants

 Tuition and all materials

 (Includes 3 lunches and materials) $125 $150\*

 Graduate Credit Registrants

 1 Hour of Graduate Workshop Credit

 (Includes 3 lunches and materials) $275 $300\*

 Lodging and food for non-commuters

 2 nights, 2 breakfasts $ 76 $ 76

 3 nights (Inc. prior evening), 3 breakfasts $100 $100

\*The extra $25 will buy you one year of OCTM Membership, needed only ONCE per summer if participating in multiple workshops.

**About Duane Bollenbacher**

 2002 OCTM “Christofferson-Fawcett Award Winner”

 1991 OCTM "Mathematics Teacher of the Year"

 High School Mathematics Teacher - 30 years

 University Mathematics and Education Instructor - past 20 years

 Supervisor of Student Teachers – past 19years

 Former OCTM State Contest Director (for 10 years)

 Writer of problems for many local and state contests

 Past President of OCTM; Historian of OCTM

 Mathematics Editor and Writer for 3 national children’s magazines

 Frequent presenter at workshops and in-services

 Wishes to share ideas with fellow classroom teachers

**Problems to Ponder for the Workshop**

 **Complete the MAGIC SQUARE on the front of this brochure.**

 **CONTINUE THE FOLLOWING PATTERNS:**

 **1, 4, 9, 16, \_\_\_ , \_\_\_ , \_\_\_ , …**

 **1, 3, 6, 10, 15, \_\_\_ , \_\_\_ , \_\_\_ , …**

 **O, T, T, F, F, S, S, \_\_\_ , \_\_\_ , \_\_\_ , …**

 **Amy, Bill, Carol, \_\_\_ , \_\_\_ , \_\_\_ , …**

 **1, 1, 2, 3, 5, 8, \_\_\_ , \_\_\_ , \_\_\_ , …**

***Bluffton is located 60 miles south of Toledo on I-75.***