



Winter 2017 Edition

The official publication of the
Maryland Mathematics Association
of Two Year Colleges.

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See you soon at the:

The 27st Annual AFACCT Conference
January 5th – 6th, 2017

hosted by Harford Community College, Bel Air, Maryland

Conference Theme:

Opening Doors for the Community College Student: Being an Agent of Change

The MMATYC annual business meeting during sessions 3 and 4
on Thursday, January 5, from 1:50 – 4:00 p.m. (Room 208).

MMATYC Who's Who for 2017

- President:** Evan Evans (president@mmatyc.org)
2017 Spring Conference Chairpersons:
 Lisa Feinman and Christine Mirbaha (conferences@mmatyc.org)
Webmaster: Josiah Hartley (webmaster@mmatyc.org)
Past President: Donna Sperry (DonnaS@csmd.edu)
Treasurer: Tom Crawford (treasurer@mmatyc.org)
Secretary: Christine Mirbaha (secretary@mmatyc.org)
Affiliate Delegate to AMATYC: Christine Mirbaha (delagate@mmatyc.org)
Alternate Affiliate Delegates: Sarah Hand and Sarah Miller (altdelagates@mmatyc.org)
Newsletter Editor: Sarah Miller (editor@mmatyc.org)
MMATYC Student Math League Liaison to AMATYC: Matt Lochmann (sml@mmatyc.org)
MMATYC - DEAM Liaison: Kylena Cross (DEAM@mmatyc.org)
AMATYC's Mid-Atlantic Vice President: Dan Fahringer (amatycvp@mmatyc.org)

Campus Representatives:

- | | |
|---------------------------------------|----------------------------|
| AACC: Amber Rust | ACM: Steven Fairgrieve |
| BCCC: Sofya Kerzhner | Carroll: Maria Burness |
| Cecil: Brandy Biddy | Chesapeake: Vacant |
| CCBC: Christine Mirbaha, Lisa Feinman | CSM: Sarah Hand |
| FCC: Greg Coldren | Garrett: Tim Foster |
| Hagerstown: Tom Crawford | Harford: Deborah Wrobel |
| Howard: Michael Long | Montgomery: Irene Moshesh, |
| PGCC: Roxanne King, Julie Gordan | Ben Nicholson |
| Wor-Wic: Marylou Townsend | |

If you would like to serve for a vacant position or if any of this information is inaccurate, please email Sarah Miller at editor@mmatyc.org

LOOKING BACK:

Thanks to everyone from MMATYC who participated, presented, or presided at the 42st Annual AMATYC Conference which took place this past Denver Colorado. The event was a wonderful learning and sharing experience for all.

LOOKING FORWARD:

- 1) **27th Annual AFACCT Conference *** January 5 & 6, 2017.**
Harford Community College - Bel Air.
Visit <http://www.afacct.csmd.edu/> for further details.
Day of conference registration is also available.
- 2) **MMATYC's Spring 2017 Conference **June 1 & 2, 2017**
Community College of Baltimore County – Owings Mills.
Please visit www.mmatyc.org for further information.
Site for proposals and registration will open soon.
- 3) **43rd Annual AMATYC Conference *** November 9-12, 2017**
San Diego, CA. "Have a Prime Time."
See www.amatyc.org for further details and to register.
Presentation Proposals will be accepted through February 1st.

Quotable

Only in math class can you mention buying 60 cantaloupes without anyone wondering what is wrong with you.

-Searchquotes.com

Fun from the Files



MMATYC's Mission

Our purpose is to:

1. Encourage an active interest in mathematics and its teaching and to work towards the improvement of mathematics education.
2. Provide a medium of exchange of views and information about mathematics and the teaching of mathematics on the two-year college level.
3. Provide a voice and means of influencing the mathematics curriculum in the two-year college.
4. Enhance the prestige of the profession of mathematics teaching.

Math and the Perfect Cup of Coffee.

Brewing the perfect cup of coffee is always going to be a somewhat subjective endeavor. Still, Kevin Moroney and William Lee have determined the mathematics parameters that influence the final product. "Our overall idea is to have a complete mathematical model of coffee brewing that you could use to design coffee machines, rather like we use a theory of fluid and solid mechanics to design racing cars." Emphasized is the effect of the grain size of ground coffee. "It had previously been known that grinding beans too finely could result in coffee that is over-extracted and very bitter. On the other hand, not grinding them enough can make the end result too watery... What our work has done is take that [observation] and made it quantitative." (Lee, 2016). The work, "Asymptotic Analysis of the Dominant Mechanisms in the Coffee Extraction Process," appears in the SIAM Journal on Applied Mathematics, 76, 2196-2217.



AMATYC's Position Statements.

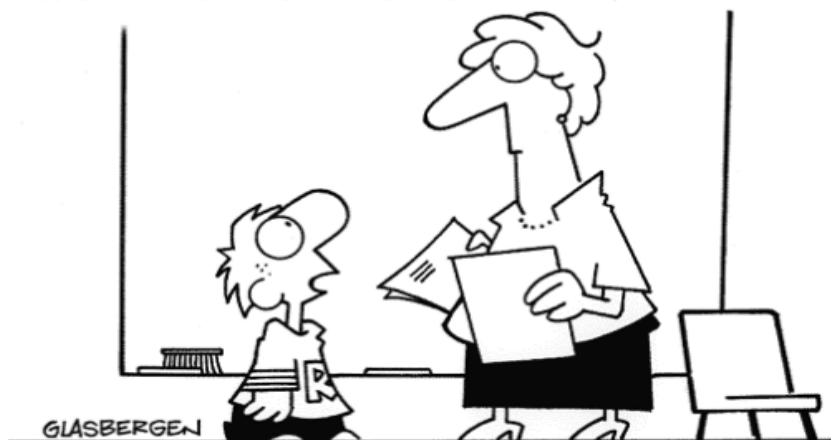
- [Academic Assessment of Mathematical Programs](#)
- [The Academic Preparation of Mathematics Faculty at Two-Year Colleges](#)
- [The Appropriate Use of Intermediate Algebra as a Prerequisite Course](#)
- [Distance Education in College Mathematics Courses in the First Two Years](#)
- [Dual Enrollment](#)
- [Equal Opportunity In Mathematics](#)
- [Initial Placement of Two-Year College Students into the Mathematics Curriculum](#)
- [Minimum Mathematics Requirement For The Associate Of Arts \(A.A.\) And The Associate Of Science \(A.S.\) Degrees](#)
- [Proctored Testing for Courses Taught at a Distance](#)
- [Time Limits for Course Prerequisites](#)
- [Support For Professional Development](#)
- [Undergraduate Textbooks](#)
- [Working Conditions Of Adjunct Faculty](#)
- [The Use of Technology in the Teaching and Learning of Mathematics](#)

To view AMATYC's position on any of the following topics just visit:
<http://www.amatyc.org/?GuidelinesPositions>

AMATYC's Student Math League Competition

Round 2 Testing dates are Friday, February 10 - Saturday, March 4, 2017. Visit www.amatyc.org for more details.

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"I couldn't do my homework because my computer has a virus and so do all my pencils and pens."

Upcoming AMATYC Webinars

Title	Date/Time	Speaker
21 Ways to Boost an Adjunct Open to AMATYC Members	1/18/2017 3:00pm EST / 2:00pm CST / 1:00 pm MST / 12:00 pm PST	Michele Kelly
How to Write a Winning Proposal for the AMATYC Conference Open to AMATYC Members	1/25/2016 3:00 pm EST / 2:00 pm CST / 1:00 pm MST / 12:00 pm PST	Honey Kirk, Judy Williams and Darlene Winnington
IPUMS Data: Real-World Data for Teaching Open to AMATYC Members and non-AMATYC Members	2/06/2017 12:00 pm EST / 11:00 am CST / 10:00 am MST / 9:00 am PST	Lara Cleveland
Course Assessment from Start to Finish Open to AMATYC Members	3/15/2016 3:00 pm EDT / 2:00pm CDT / 1:00 pm MDT / 12:00 pm PDT	Kathy Doyle
Incorporating Discovery into Developmental Mathematics Open to AMATYC Members	4/19/2017 4:00pm EDT / 2:00pm CDT / 1:00 pm MDT / 12:00 pm PDT	George Woodbury

2017 Student Math GAME:

Get your developmental students playing!

- Take the number 2017 and:
- Expand it, Round it. Double it. Triple it.
- Add 1, 10, 100, or 1000 to it.
- Subtract 1, 10, 100, or 1000 to it.
- But you'll never factor it!
- What is the next prime number after 2017?