

# math news

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Mar. 2009

## Mathematics Offerings

The following courses are currently scheduled for Fall 2009. Registration begins on Mar. 30. (Check PAWS for the very latest word on course offerings.)

Math 237	Calculus II			
	11:00-11:50 AM	MTRF	Hughes	
	2:00- 2:50 PM	MTRF	Hughes	
Math 238	Calculus III			
	11:00- 11:50 PM	MTRF	Barnet	
Math 340*	Fundamental Concepts of Geometry			
	6:00- 8:30 PM	T	Parks	
Math 350	Linear Algebra I			
	12:00-12:50 PM	MWF	Michael	
Math 426	Complex Analysis			
	12:00-12:50 PM	MWF	Barnet	
Math 432	Differential Equations			
	9:00-10:45 PM	TR	Forsythe	
Math 452	Linear Algebra II			
	11:00-11:50 AM	MWF	Wojnar	
Math 465	Theory of Numbers			
	12:30-1:45 PM	TR	Hughes	
Math 480	Probability and Statistics			
	2:00- 3:15 PM	TR	Revennaugh	
Math 491	Seminar in Mathematics			
	1:00- 1:50 PM	MWF	Hughes	

\* Math 340 does not satisfy the requirements for the Mathematics major or minor.

## KME Corner

Congratulations to new KME inductees Jennifer Dicks, Jacob Moon, Bradley Phillips, Nicholas Sharp and Joshua Wilson, who were initiated into the honorary on Mar. 8. Dr. Hughes gave a mathematical talk.

KME is selling filled chocolate covered candy eggs again this year. The half-pound eggs sell for \$3.50, and are available in peanut butter, cherry, cherry nut, coconut, maple, maple nut, vanilla cream and fruit & nut. Orders may be placed with Dr. Hughes (DH224) or Dr. Barnet (DH223). Orders must be placed and paid for by 4 p.m. on Wednesday, Mar. 25.

The next meeting of KME will be Wednesday, Mar. 25 in DH215 from 5-6 p.m. Dr. Hughes will speak about Bernoulli Numbers.

## April: Mathematics Awareness Month

Mathematics Awareness Month is held each year in April. Its goal is to increase public understanding of and appreciation for mathematics. Mathematics Awareness Month began in 1986 as Mathematics Awareness Week; in 1999, Mathematics Awareness Week became Mathematics Awareness Month.

Mathematics Awareness Month is sponsored each year by the Joint Policy Board for Mathematics ([mathaware.org/aboutjpbm.html](http://mathaware.org/aboutjpbm.html)) to recognize the importance of mathematics. The theme for Mathematics Awareness Month, April 2009, is Mathematics and Climate. One of the most important challenges of our time is modeling global climate. Some of the fundamental questions researchers are currently addressing are:

- How long will the summer Arctic sea ice pack survive?
- Are hurricanes and other severe weather events getting stronger?
- How much will sea level rise as ice sheets melt?
- How do human activities affect climate change?
- How is global climate monitored?

Check the website [mathaware.org](http://mathaware.org) for more information.

## KenKen Puzzle Solutions

Last month we had two 4x4 KenKen puzzles. Here are the solutions.

2	1-	4	1
2	3	4	1
3+	1	2	7+
1	2	3	4
7+	4	1	2
1-	4	1	2
3	4	3+	1
3	4	1	2

2+	12x	4	1	3
2	4	1	3	
1	3	12x	2+	4
1	3	4	2	
12x	2+	4	2	3
4	2	3	1	
3	1	2+	2	4
3	1	2	4	

## New Puzzle: Are We There Yet?

The chartered bus to Branson left Arlington at 7 a.m., stopped for lunch, and arrived in Branson at 7:30 p.m. At 9:30 a.m., 12-year old Jackson asked how far they'd gone. The driver replied, "Half the distance from here to the lunch stop." At 5:30 p.m., 420 miles later, Jackson asked how much further. The driver said, "Half the distance we've gone since lunch."

How long was the trip, and (assuming the bus maintained a constant driving speed) how long was the lunch stop?