

# math news

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## Fall Course Offerings

Students are invited to examine the list of course offerings available for the Fall 2011 semester and meet with advisors.

236.001 MTRF	11:00-11:50	Mark Hughes
236.002 MTRF	2:00- 2:50	Mark Hughes
237.001 MTRF	8:00- 8:50	Rob Forsythe
237.002 MTRF	11:00-11:50	Rob Forsythe
238.001 MTRF	8:00- 8:50	Frank Barnet
*340.101 T	6:00- 8:30	Karen Parks
350.001 TR	12:30- 1:45	Laxman Hegde
432.001 TR	11:00-12:15	Frank Barnet
437.001 MW	3:00- 4:15	Kurt Lemmert
452.001 MWF	12:00-12:50	TBA
461.001 MWF	10:00-10:50	Mark Hughes
480.001 TR	3:30- 4:45	Kurt Lemmert
491.001 MWF	1:00- 1:50	Mark Hughes
680.001 MWF	11:00-11:50	Lance Revenaugh

\* MATH 340 does not carry mathematics major credit.

## Those Who Can, Teach

Each fall the Developmental Mathematics Program employs 12 – 15 FSU students to serve as teacher assistants for Pre-Algebra and Intermediate Algebra courses. The job search, interviews and training, however, begin in the spring semester. Students interested in Mathematics and Mathematics Education are encouraged to apply. If you are interested in joining the DVMT instructional staff, contact Beth Stallings, Director of Developmental Mathematics at [bstallings@frostburg.edu](mailto:bstallings@frostburg.edu) or 301.687.4442 for more information.

## Summer Employment Opportunity

Tutor/Counselors are needed for FSU's Upward Bound Program, tentatively set for June 5 through July 22, 2011. (This includes five days of training and weekends are off.) Upward Bound is a federally-funded program established to encourage qualified high school students to seek education beyond secondary school. The summer residential program provides the main focus and aims to provide students with a sample of the college experience. Applications will be accepted now through March 1<sup>st</sup>. For information, call 301.687.4994, email [esteele@frostburg.edu](mailto:esteele@frostburg.edu), or visit [www.frostburg.edu/clife/ubp](http://www.frostburg.edu/clife/ubp).

## 2011 Symposium Set

Save the date of Friday, April 1<sup>st</sup> to attend the 38<sup>th</sup> annual FSU Mathematics Symposium. Students are welcome at any of the talks, which are scheduled for 9:00, 10:00, 11:00, and 1:00.

## KME Corner

Kappa Mu Epsilon will induct and welcome new members at its annual ceremony, set this year for Sunday, February 27<sup>th</sup> beginning at 2 pm in Compton Hall 226. The public is welcome.

KME will also host a visit from Dr. Brendon LaBuz on Thursday, March 31<sup>st</sup>. Dr. LaBuz is a graduate of FSU and currently serves as Assistant Professor of Mathematics at Saint Francis University in Loretto, PA. He will present two talks during his visit, one for students on "Paths," looking at universal covering spaces (not fundamental group) and one for faculty entitled "Large scale geometry," about an undergraduate research project in large scale geometry that he directed.

## Your Food Is Ready

To solve the cooking problem presented in November, place four sandwiches in the pan and cook for three minutes. Remove two of the sandwiches and place on the side. Turn over the sandwiches that remain in the pan and add two "new" sandwiches to the pan. After three minutes, remove the two sandwiches that are fully cooked, flip over the other two, and add the two sandwiches that were placed on the side. After three minutes the remaining sandwiches will be fully cooked. This method gives a minimum cooking time of nine minutes.

## Can You Solve Our Money Problem?

No, this is not a request for contributions. This is one more chance at last fall's bulletin board problem solving contest, which generated no solutions.

"Each US one-dollar bill contains a string of eight digits between two letters (e.g., A13234657E) as a serial number. Suppose that the two letters are given, say A at the beginning and E at the end, and further suppose that every eight-digit string is equally likely. What is the probability that a serial number contains five or more of the same digit (e.g., A00250070E or A91111111E)?"

Although there's no big prize now, take a combinatorial crack at it anyhow. Answer will appear in the next edition of *MATH NEWS*. Also look for this semester's contest soon.

## We Can Help With Your Money Problem

All students are encouraged to visit the webpage <http://www.frostburg.edu/dept/math/general/scholarship.htm> to learn about scholarships that are available to mathematics students for the coming academic year. From incoming freshman to senior status, students can benefit from their interest in mathematics. The application deadline is now March 4<sup>th</sup>.