



Monday, January 14th, 4:10 - 5:00 p.m.
in Surge 284:

Undergrad
Student
Volunteers:

- Ashley Gregory

“The Importance of Math Beyond the Classroom”

Dr. Pamela Clute, UCR



Abstract:

Do you feel like math has no connection to your life? Is math just a class that is full of information you will never use again? Well we'd like to change your mind. Come to math club on January 14th where Professor Clute will be giving a presentation on the importance of math beyond the classroom. She will also be sharing some startling statistics on math education in our country and the dangers in the future if the status quo remains the same. She will then have a fun hands on activity as well as be giving out prizes.

- Free Snacks and Drinks!

mathdept.ucr.edu/mathclub.html



Monday, January 28th, 4:10 - 5:00 p.m.
in Surge 268*:

Undergrad
Student
Volunteers:

“REU Workshop and panel”

- Ashley Gregory

Reeve Garrett and Students

Abstract:

Are you interested in undergraduate research experience in math, but aren't quite sure where to start? Do you want more information on how to start the process of REU's and gain an idea of what to expect from them? This week in math club there will be a panel on REU workshops where you will have the opportunity to speak with students who have participated in REU's. In the meeting they will be going over the steps of the process such as letters of recommendation and filling out applications as well as answering any questions you have. Reeve Garrett will also be giving a talk on the GRE test and how best to prepare for students interested in taking the test for grad school. There will also be free food and refreshments.

Please note, Math club will be in Surge 268 this week only.

- Free Snacks and Drinks

mathdept.ucr.edu/mathclub.html



Monday, February 4th, 4:10 - 5:00 p.m.
in Surge 284:

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- Ashley Gregory

“Artificial intelligence, Big data, and graph algorithms”

Dr. Thomas Laurent, UCR

Abstract:

This talk is accessible to any students who has taken or is taking Math 131. The presentation will include information on cutting edge mathematical techniques used in artificial intelligence and Big data as well as fast algorithms developed by Professor Laurent and collaborators that are able, for example, to accomplish the following tasks:

- Automatically recognize and classify large data base of digital pictures
- Find group of close friends in large social networks (facebook for example)
- Identify group of customers having similar taste (amazon.com for example)

There will also be free snacks and refreshments.

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Monday, February 11th, 4:10 - 5:00 p.m.
in Surge 284:

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Futurama: “Prisoner of Benda” Viewing and
Mathematical Analysis of the Episode

& Reeve Garrett, UCR

Abstract:

Join us for a viewing of the Futurama episode, “Prisoner of Benda,” an episode written by math Ph.D. Ken Keeler with plot centered around a group theory theorem created just for the episode by the writer! After the episode, Reeve Garrett will speak about the underlying math in the episode and prove the theorem in the episode. The talk will assume no formal prerequisites (in particular, no abstract/modern algebra) and will introduce the theory of permutation groups from the ground up.

Free snacks and refreshments will be provided!



Monday, February 25th, 4:10 - 5:00 p.m.
in Surge 284:

Undergrad
Student
Volunteers:

- Ashley Gregory

“How to Color to Avoid Patterns”

Dr. Kevin Costello, UCR

Abstract:

One theme in discrete mathematics is that "complete disorder is impossible". If you have a large enough system (where "system" here could mean "network", "coloring", "set", or many other things), then hiding somewhere inside that system there must be a part that has a lot of "structure". (again, "structure" can mean many different things depending on what your situation is).

More recently, people have become interested in questions along the following line: If avoiding structure entirely is impossible, how can we manipulate things so that there's as little structure as possible?

Is it best just to choose things at random, or is there some systematic way of avoiding patterns?

Free snacks and refreshments will be provided!

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- Ashley Gregory

Monday, March 4th, 4:10 - 5:00 p.m.
in Surge 284:

“Math Videos” by Victoria Hart

Abstract:

Victoria Hart, commonly known as Vi Hart, is a "Recreational Mathemusician", and is most known for her mathematical videos on YouTube. With 25 million video views on her primary YouTube channel, as well as over 300,000 subscribers, her videos have something for everyone. Join us for a showing of a collection of these fun and interesting math videos.

There will be snacks and refreshments.

Free snacks and refreshments will be provided!



Undergrad
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- Ashley Gregory

Monday, March 11th, 4:10 - 5:00 p.m.
in Surge 284:

“I Want to be a Mathematician, A
Conversation with Paul Halmos”

Abstract:

Join the math club in it's last meeting for the quarter. We will be showing a video, presented by Paul Halmos, on how to teach and write about math. It will no doubt contain valuable advice for those wishing to pursue mathematics professionally.

Free snacks and refreshments will be provided!