WARM-UP FALL 2007
Department of Mathematics and Statistics
University of New Mexico
Albuquerque
August 13-16, 2007
ACADEMIC PROGRAM
WARM-UP - ACADEMIC PROGRAM  
Department of Mathematics and Statistics 
University of New Mexico, Albuquerque  
August 13-14, 2007

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MONDAY AUGUST 13 - HUMANITIES 428

1:00pm **Prof. Jens Lorenz.** Introduced by Prof. Tom Hagstrom.  
   *On Eigenvalues and Spectra.*
   - Coffee and snacks.

2:30pm **Profs. Curt Storlie, Michele Guindani, and Yan Lu.** Introduced by  
   Prof. Cristina Pereyra.  
   *Statistics at UNM: from non-parametric Bayesian methods to sensitivity anal-
   ysis to sampling.*

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TUESDAY AUGUST 14 - HUMANITIES 428

- Coffee and snacks.

11:00am **Prof. Charles Boyer.** Introduced by Prof. Alex Buium.  
   *How to do calculus on spheres and other objects.*
   - Lunch Break

1:00pm **Profs. Helen Wearing and Jim Ellison.** Introduced by Prof. Monika  
   Nitsche.  
   *Applied Math at UNM: from microscopes and perturbation theory to math biol-
   ogy.*
   - Coffee and snacks

2:30pm **Kara Peterson, Alejandro Villagran and Adam Ringler.** Introduced by  
   Prof. Gabriel Huerta.  
   *What are our graduate students working on? From global warming mathematical
   and statistical models to number theory.*

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WEDNESDAY AUGUST 15 - HUMANITIES 428

11:00am **Profs. Mike Nakamaye, Kristin Umland and Graduate Students  
   Shadi Nedari and Ivana Gorgievska.** Introduced by Prof. Cristina  
   Pereyra.  
   *Tips for teaching.*

12:00pm Lunch in the Lounge for everybody.
The real WARM-UP
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The evening sessions are organized and run by current graduate students. They will provide a chance to review some linear algebra and analysis that every entering graduate student should know. Each session will include a one hour review session along with one hour of working on problems, and dinner in between! This year we will also have a Matlab workshop and an informal session on life in Albuquerque.

TUESDAY EVENING AUGUST 14 - HUMANITIES 428

5:30pm Oksana Guba, Jaime Hernandez.
*Linear Algebra*

6:15pm Dinner in the lounge.

6:45pm Jaime Hernandez, Oksana Guba.
*Problem Session*

WEDNESDAY EVENING AUGUST 15 - HUMANITIES 428

5:00pm Jaime Hernandez.
*Matlab workshop.*

6:30pm Flor Espinoza.
*Dinner and open questions and tips about life in Albuquerque.*

THURSDAY EVENING AUGUST 16 - HUMANITIES 428

5:30pm Arnab Saha.
*Differences between real and complex analysis.*

6:15pm Dinner in the lounge.

6:45pm Adam Ringler.
*Problem Session*