
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

MONDAY AUGUST 13 - HUMANITIES 428

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

- Coffee and snacks.

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

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 **Prof. Helen Wearing and Jim Ellison.** Introduced by Prof. Monika Nitsche.
Applied Math at UNM: from microscopes and perturbation theory to math biology.

- 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.

WEDNESDAY AUGUST 15 - HUMANITIES 428

11:00am **Prof. 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
