http://www.depts.ttu.edu/registrar/animated.gifTexas Tech University

Mathematics and Statistics

**Seminars & Colloquium**

**April 4 - 8**

**Colloquium:**

George Sell

University of Minnesota

“Ensemble Dynamics and Bred Vectors”

Thursday, April 7, 2011 at 3:30 p.m. in CH 113

Refreshments will be served in Math 238 at 3:00 p.m.

**Monday – April 4**

**Geometry Seminar**

Time: 4:00-5:00pm

Location: MATH 010

Speaker: Razvan Gelca

Title: Representations of the Kauffman bracket skein algebra of the punctured torus

**Stats Seminar**

No Seminar This Week

**Tuesday – April 5**

**Bio-Math Seminar**

No Seminar This Week

**Logic-Topology Seminar**

Time: 2:30-3:30pm

Location: CHEM 101

Speaker:  Robert Byerly  
Title:  BRT

**Wednesday – April 6**

**Analysis Seminar**

Time: 4:00-5:00pm

Location: MATH 112

Speaker: Roger Barnard

Title: Conformal Mapping and Half-Plane Capacity. Part III

**Applied Math Seminar**

Time: 4:00-5:00pm

Location: MATH 016

Speaker: Eugenio Aulisa

Title: Up scaling of fine scale geological models for non-linear flow simulations

**Stochastic Control Seminar**

Time: 4:00-5:00pm

Location: MATH 109

Speaker:  Clyde Martin  
Title: Lecture: 5 - Jump Processes

**Thursday – April 7**

**Colloquium**

Time: 3:30-4:30pm

Location: CH 113

Speaker: George Sell

Title: Ensemble Dynamics and Bred Vectors

**Friday – April 8**

**Algebra Seminar**

Time: Friday 4:00-5:00pm

Location: MATH 110

Speaker: Alastair Hamilton

Title: Moduli spaces of Riemann Surfaces and the cohomology of lie algebras I

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**Abstract:**

There is a theorem, due to Kontsevich, which states that the cohomology of the moduli space

of Riemann surfaces can be equivalently expressed as the cohomology of a certain infinite-dimensional Lie algebra. In these two talks I plan to explain this theorem and how it may be extended to certain compactifications of the moduli space. I will also, time permitting, describe how this theorem can be used to produce classes in the moduli space from purely algebraic data, and how the problem of lifting classes to compactifications of the moduli space may be formulated in terms of algebraic deformation theory

**Math Education/Noyce Scholars seminar**

Time: Friday 12:00-12:50pm

Location: MATH 011

Speaker: Discussion

Topic: Cohort building and social networks