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Mathematics and Statistics

**Seminars & Colloquium**

**November 29 - December 3**

**Colloquium:**

No Colloquium This Week

**Monday – November 29**

**GK-12 seminar**

Location: MATH 115

Time: 4:00-5:00pm

Speaker: Anton Kliewer

Topic: An Introduction to Stochastic Process

**Noyce Scholars seminar**

Location: MATH 115

Time: 12:00-1:00pm

Speaker: Tara Stevens

Topic:Goal setting and its role in self-regulation

**Geometry seminar**

Location: MATH 109

Time: 4:00-5:00pm

Speaker: Jeremy Sain

Topic: Operator Systems as a Quantum Set Theory

**Tuesday – November 30**

**Logic-Topology Seminar**

Time: 2:30-3:30pm

Location: Math 013

Speaker: T. McLauglin

Title: Elementary foundations of Morley-Vaught theory, Part I

**Math Education seminar**

Time: 4:00-5:00pm

Location: Math 109

Speaker: Discussion

Title: Goal setting and its role in self-regulation

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**Wednesday – December 1**

**Analysis Seminar**

Time: 4:00-5:00pm

Room: MATH 109

Speaker: Kent Pearce

Title: Conformal mappings and Brownian motion.  Part II

**Applied Math Seminar**

Location: MATH 014

Time: 4:00-5:00pm

Speaker: Richard Erickson

Title: Stability of a periodic mosquito model

**Thursday – December 2**

**Friday – December 3**

**Algebra Seminar**

Time: 3:00–4:00 pm

Room: MATH 016

Speaker: Val Laurushchyk

Topic: Orbit Chern Classes in Invariant Theory

Abstract:

Let G be a ﬁnite group, F be a ﬁeld, and ρ: G�→ GL(n, F) a representation of G. The group G acts via ρ on the algebra F[V ] of polynomial functions on the representation space V . The main object of the study is the ring of invariants F[V ]G . The orbit Chern classes are the elementary symmetric polynomials in the elements of an orbit of G acting on the space of linear forms V ∗ regarded as elements of F[V ]G . In many cases, the orbit Chern classes are suﬃcient to generate the ring of invariants as an algebra. In this talk I will discuss the role of Chern classes in Invariant theory, main results and open questions related to the subject