

**MATHEMATICS CAPSTONE PRESENTATIONS**  
**WEDNESDAY, APRIL 27, 2016, YOST 306**

- 9:30** Devon Belew, *Pitch Sequencing in Baseball: Does It Matter?*  
(Advisor: Prof. Woyczynski)
- 10:00** Baili Ou, *Stock market circuit breakers.* (Woyczynski)
- 11:00** Craig Shook, *Textbook examples of unit speed curves.* (Langer)
- 11:30** Dana Jeter, *Pick's formula for lattice knots.* (Langer)
- 12:00** Lunch, Yost 306
- 12:30** Meredith Shea, *Analysis of the zero mode in bilayer graphene.*  
(Advisor: Prof. Mathur, Department of Physics)
- 1:00** Anne Flaherty, *Creating knots using hexagonal tiling.* (Langer)
- 1:30** Drew Blasius, *A small step towards calculating constants related to Kazhdan's property  $\tau$ .* (Szarek)
- 2:00** Alex Cao, *On the Equivalence of "Isophase" and "Asymptotic Phase" for Complex Analytic, Planar Stochastic Oscillators.* (Thomas)
- 2:30** Shuyang Zhang, *Some applications of Fourier analysis to signal processing.*  
(Dobrosotskaya)