GRADUATE SEMINAR: GEOMETRY AND DYNAMICS

Time: Monday 3:00-4:00pm

Place: 358AS

> Their magic's all numbers and angles and edges and what the stars are doing, as if that really mattered. It's all power. It's all jommetry.
>
> Terry Pratchett, *Equal Rites*

The seminar is intended for graduate students. (Faculty are also welcome.) The focus of the seminar is on the following topics which will be presented in a series of not-very-formal talks:

- Frobenius' theorem and foliations (e.g., the Reeb foliation on the sphere);
- contact structures and contact forms;
- symplectic structures and Hamiltonian dynamical systems.