Math 564: Introduction to Dynamical Systems I
Mathematics

This course is an introduction to the theory of dynamical systems. The course will cover linear maps and differential equations, nonlinear systems, conservative dynamics, one-dimensional dynamics and connections with ergodic theory and number theory.

3 Credits

Prerequisites

- Pre-req: Math 353 with a minimum grade of C or Graduate Standing.

Instruction Type(s)

- Lecture: Lecture for Math 564

Subject Areas

- Mathematics, General

Related Areas

- Algebra and Number Theory
- Analysis and Functional Analysis
- Geometry/Geometric Analysis
- Topology and Foundations