

# Math 565: Introduction to Dynamical Systems II

## [Mathematics](#)

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

3 Credits

### Prerequisites

- [Math 564: Introduction to Dynamical Systems I](#)
- Prerequisite: Junior standing (60 hr).

### Instruction Type(s)

- Lecture: Lecture for Math 565

### Subject Areas

- [Analysis and Functional Analysis](#)

### Related Areas

- [Algebra and Number Theory](#)
- [Geometry/Geometric Analysis](#)
- [Mathematics, General](#)
- [Topology and Foundations](#)

