

# Math 664: Topics in Dynamical Systems Mathematics

The course covers some important topics in dynamical systems. In particular, low-dimensional dynamics, circle dynamics, Hamiltonian dynamics. It will also contain an introduction to Kolmogorov-Arnold- Moser theory and renormalization methods in dynamics.

3 Credits

### **Prerequisites**

• Math 564: Introduction to Dynamical Systems I (Minimum grade: C)

# Instruction Type(s)

• Lecture: Lecture for Math 664

## **Subject Areas**

• Mathematics, General

#### **Related Areas**

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

