

Books on Dynamical Systems

1. Devaney, Robert L.: *An Introduction to Chaotic Dynamical Systems*, second edition, Westview Press, ISBN number 0-8133-4085-3. A classic by my colleague, coauthor, and friend. Covers many of the topics we discuss. The proofs are sometimes a little brief.
2. Hasselblatt, Boris and Katok, Anatole: *A First Course in Dynamics*, Cambridge University Press, 2003, ISBN number 0-521-58750-6. Aimed at an advanced undergraduate level. Recently published. I like what I have read so far.
3. Brin, Michael and Stuck, Garrett: *Introduction to Dynamical Systems*, Cambridge University Press, 2002, ISBN number 0-521-8-841-3. Nice presentation based on the graduate dynamical systems course at the University of Maryland, College Park. Includes more ergodic theory than we will discuss.
4. Alligood, Kathleen T., Sauer, Tim D., and Yorke, James A.: *Chaos: An Introduction to Dynamical Systems*, Springer-Verlag, 1996, ISBN number 0-387-94677-2. Aimed at advanced undergraduates and beginning graduate students. It is slightly less formal and definitely more applied than our text. More discussion of flows than in our course