

## NONLINEAR DYNAMICS AND APPLICATIONS

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**Class:** Tuesdays 12:30-15:30

**Office Hours:** Fridays 11:00-13:00

**Textbook: NO Textbook**

**Recommended Reading:**

1. Strogatz, S., 2001. Nonlinear Dynamics & Chaos: with Applications to Physics, Biology, Chemistry and Engineering, Westview Press.
2. Hale, J.K. and Kocak, H., 1991. Dynamics and Bifurcations, Springer-Verlag.
3. Kuznetsov, Y., 2023. Elements of Applied Bifurcation Theory, Springer.
4. Wiggins, St., 2003. Introduction to Applied Nonlinear Dynamical Systems and Chaos (2<sup>nd</sup> edition), Springer.

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