Course Number: ENEE 789O (also co-listed as PHYS 715)

Class: Mon., Wed.: 2:00-3:15

Place: CSS 2428

Instructor: Edward Ott, AVW 3329, x5-5033; eo4@umail.umd.edu

Office hours: Tuesday 4:00-5:00, and, at other times, by appointment.

Course Content:
Theory and application of chaos in dynamical systems. Topics covered include strange attractors, Lyapunov exponents, bifurcations of chaotic systems, quasiperiodicity, chaos in Hamiltonian systems, and control and synchronism of chaos. Applications in physics, engineering and biology.

Textbook:

EXAMS:
Exam I, Oct. 20;
Exam II, Dec. 1;
Final Exam, Dec. 16, 1:30-3:30.

Approximate grading scheme:
Home Work: 25%
Exams I and II: 40%
Final: 35%