

Undergraduate Classes in Complexity

AML 253 – Modeling in the LSS

ASB 430 – Social Simulation

BIO 424 – Dynamic Modeling in Social and Ecological Systems

BIO 469 – Computational Neuroscience: Case Studies in Neuroethology

MAT 452 – Introduction to Chaos and Nonlinear Dynamics

PGS 458 – Group Dynamics

PSY 498 – Dynamics in Psychology

SOS 323 – Sustainable Urban Dynamics

SOS 494/AML 494 – Mathematical Concepts and Tools in Sustainability

Proposed CASI 101 – Introduction to Complex Adaptive System Science with Fabio Sanchez as coordinator

Graduate Classes in Complexity

AML 591 – Probability Theory

AML 591 – Agent Based Modeling

AML 610 – Topics in Applied Mathematics for the Life and Social Sciences

AML 612 – Applied Mathematics for the Life and Social Sciences Modeling Seminar

ANB 602 – Current Issues in Animal Behavior

ASB 533/SOS 532 – Sustainable Urban Dynamics

ASB 555 – Complex Societies

ASM 570 – Fundamentals of CASS

ASM 591 – Dynamic Modeling in Social and Ecological Systems

ASM 591/BIO 591 – Readings in Complexity

BIO 522 – Populations: Evolutionary Ecology

BIO 545 – Populations: Evolutionary Genetics

BIO 591 – Topics in Mathematics for Life and Sustainability Science

CBS 520 – Modeling and Computational Biology

CBS 521 – Applications and Complex Problem Solving in Computational Biology

CES 561 – Modeling and Simulation Theory and Application

PAF 591 – Introduction to Policy Informatics

PAF 591 – Complexity in Public Policy and Management

PSY 576 – Dynamics in Psychology

PSY 598 – Dynamics in Perception, Action, and Cognition

PUP 598 – Modeling and Simulating Urban Environments

SOS 598 – Social Network Analysis

SOS 598 – Mathematical Concepts and Tools in Sustainability