

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