How does a bird flock synchronize its movements? Most people assume that the bird in front leads and the others follow, but that's not the way it works. Bird flocks don't have leaders: they are organized without an organizer, coordinated without a coordinator. And a surprising number of other systems, from termite colonies to traffic jams to economic systems, work the same way.

Behavior is defined as the manner in which people, animals and even plants act in various situations, as well as how they respond to different stimuli. In this course we build and study computer simulations to help us to understand group behavior in sociology, psychology, organizational behavior and economics.

Time: M W F 12 noon
Place: Fulton 250
Prerequisites: an introductory course in statistics

Questions: Contact Prof. Robert Signorile at signoril@bc.edu