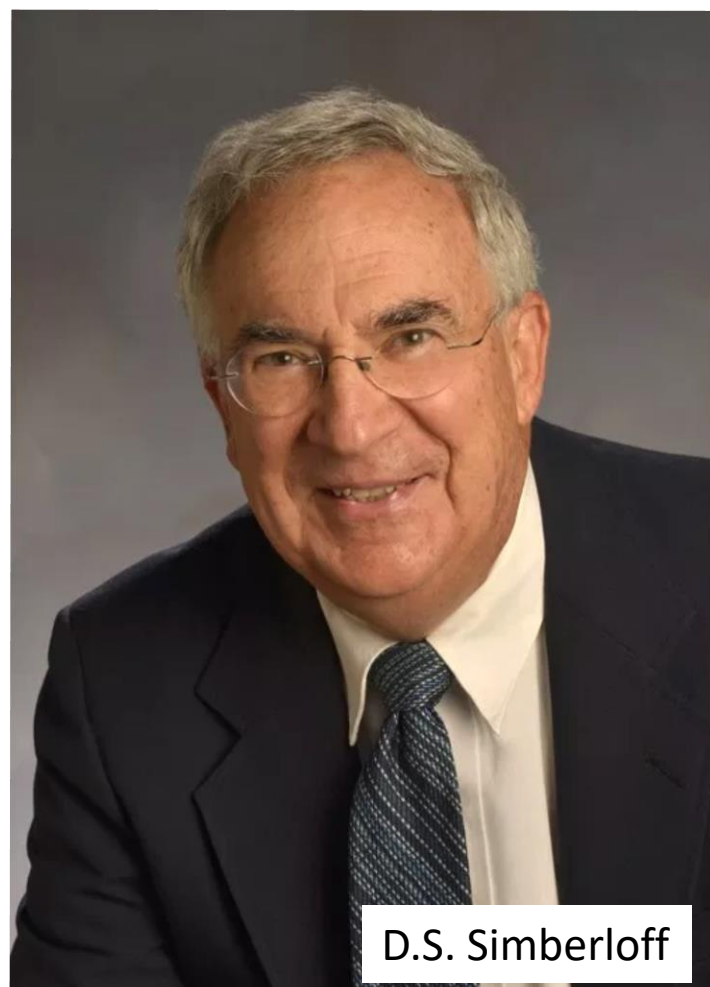


# Foundations of Ecology

Biol 230 – Dr. Kern  
Tuesday 4:00 – 4:50 pm  
[rakern@csufresno.edu](mailto:rakern@csufresno.edu)



D.S. Simberloff

Ecological Energetics  
Population Biology  
Island Biogeography  
Palynology  
Succession



M.B. Davis



R.L. Lindeman



R.M. May



H.C. Cowles

Can you match the individual to their ecological contribution?

What are the seminal papers and turning points on which ecology is founded? What were the novel ideas and theories presented? How were key tenets of ecological theory derived?

“Like any science, ecology is a social as well as an intellectual enterprise, and the lively exchange of ideas is as integral a part of our science as laboratory experiments or field observations” Joel G. Kingsolver and Robert T. Paine

This course presents and discusses the key papers that form the foundations upon which modern ecological ideas and theories rest. The class is structured with a seminar format in which the papers that defined ecology as an independent discipline are discussed and their role in the development of our understanding of ecological processes and theories. Students will gain experience in leading discussions and produce an up-to-date literature review of the underlying work associated with their thesis research.