POSITION ANNOUNCEMENT (long version) Assistant Professor of Applied Ecosystem Modeling
Department of Environmental Science and Policy, University of California, Davis

Title: Assistant Professor of Applied Ecosystem Modeling. The Department of Environmental Science and Policy in the College of Agricultural and Environmental Sciences at the University of California, Davis is recruiting an Assistant Professor of Applied Ecosystem Modeling with a preferred emphasis in ecology, environmental science, applied mathematics, applied statistics, sustainability science, complex adaptive systems, or other disciplinary or interdisciplinary programs with sufficient quantitative training combined with knowledge of ecosystem dynamics. This is an academic year (9-month), Assistant Professor tenure-track position with teaching, research, outreach/engagement and service responsibilities and includes the expectation that the appointee will conduct mission-oriented research and outreach/engagement of relevance to the California Agricultural Experiment Station (http://caes.ucdavis.edu/research/agexpstn).

Responsibilities:
The Department of Environmental Science and Policy is seeking applicants that focus on applied ecosystem modeling. Candidates’ areas of research should include analytical, numerical, and statistical modeling of ecosystems. The appointee is expected to establish a competitively funded research program to address critical or emerging environmental issues at the ecosystem scale in terrestrial, marine and/or freshwater environments. The appointee will be responsible for teaching at the undergraduate, MS., and Ph.D. levels. Depending on the candidate’s expertise, possible undergraduate-level courses in service of the Environmental Science and Management major include ESM 195: the capstone course in Integrating Environmental Science and Management, ESP 1: Environmental Analysis (as a co-instructor), ESP 10: Current Issues in the Environment, or developing a new upper-division course related to the topic of applied ecosystem ecology. At the graduate level, the successful candidate will be expected to teach M.S. and Ph.D. courses related to ecosystem modeling. Possibilities at the graduate level include ECL 232: Theoretical Ecology, ECL 233: Computational Methods in Population Biology and a new class in ecosystem modeling. Teaching responsibilities will be set according to the department’s teaching policy based on teaching needs of the department, and to contribute to the department’s majors. Other responsibilities include student advising at the graduate and undergraduate levels. Participation in and development of outreach/engagement programs, and performance of departmental and university service is expected. This position is expected to work with extension educators, and other appropriate groups.

The appointee is also expected to engage with faculty in the Department of Environmental Science and Policy and elsewhere on campus including the John Muir Institute for the Environment.

Qualifications:

Ph.D. or equivalent degree in ecology, environmental science, biology, applied mathematics, applied statistics, or a closely related discipline, including expertise in quantitative, statistical, and mathematical methods. Postdoctoral experience is preferred. Evidence of research excellence is expected. The candidate should have the ability to develop and instruct undergraduate and graduate courses and the ability to develop and conduct extramurally funded research in applied ecosystem modeling.
• Basic Qualifications: Ph.D. or equivalent in ecology, environmental science, biology, applied mathematics, applied statistics, or a closely related discipline
• Demonstrated expertise and research interest in applied ecosystem modelling
• Demonstrated expertise in appropriate analytic, numerical, and statistical methods
• Demonstrated or potential ability to develop a distinguished research program that results in publications in high-quality refereed journals and would include ecosystem management
• Demonstrated ability or potential to develop and instruct undergraduate and graduate courses and to present information to scientific and stakeholder audiences
• Demonstrated ability or potential and interest to advise undergraduates in the Environmental Science and Management major and the Environmental Policy Analysis and Planning major
• Demonstrated ability or potential and interest to mentor M.S. and Ph.D. students in the Ecology graduate program and other relevant graduate programs
• Interest, understanding, and commitment to contributing to diversity.
• Demonstrated ability or potential and interest to work with peers in the department, on campus, and in Cooperative Extension to meet the missions of the University and the Agricultural Experiment Station.

Salary:
Commensurate with qualifications and experience.

Applications:
Application materials must be submitted via the following website: https://recruit.ucdavis.edu. The position will remain open until filled. To ensure consideration, applications should be received by December 8, 2017.

Required application materials include: 1) curriculum vitae including publication list, 2) up to three publications, 3) transcripts if the applicant is within five years of Ph.D. degree, 4) statement of research accomplishments, 5) statement of teaching accomplishments and philosophy, 6) statement of future research plans relevant to applied ecosystem modeling 7) Statement of Contributions to Diversity, and 8) the names, addresses, including e-mail, of three professional references. Additional inquiries should be directed to Professor Alan Hastings, Recruitment Advisory Committee Chair (amhastings@ucdavis.edu).

UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.