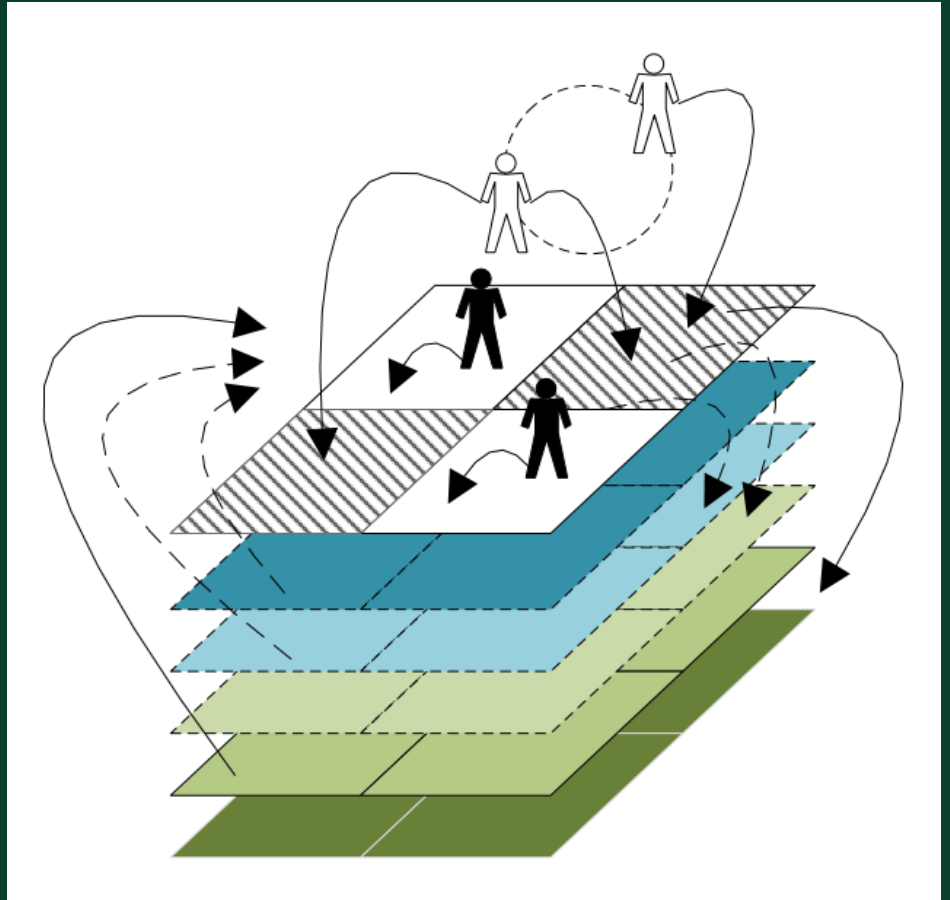




DESCRIPTION

Join our engaging interdisciplinary course to master agent-based models that analyze complex social and environmental systems. You'll participate in hands-on projects, allowing you to design and implement these models effectively. We focus on a systematic approach to model development and provide advanced tools for uncertainty and sensitivity analysis and high-performance computing, enhancing your skills. No coding experience is needed, as we use the user-friendly Python programming language. This course is ideal for social and natural scientists, environmental engineers, and motivated individuals eager to create impactful solutions.



AGENT-BASED MODELING

GEO/ESP 869 | SPRING 2025 | 3 CREDITS
INSTRUCTOR: ARIKA LIGMANN-ZIELINSKA

MON & WED
SPRING 2025
3:00-4:20 PM

GEOGRAPHY BUILDING
RM. 201

This course is cross-listed with the Environmental Science and Policy Program (ESPP) and is one of three electives for its Graduate Certificate in Environmental and Social Systems Modeling.

