Tufts University School of Arts and Sciences

URBAN AND ENVIRONMENTAL POLICY AND PLANNING – Geospatial Programming with Python
Part-time Geospatial Programming with Python Lecturer (non-tenure-track)

The Department of Urban and Environmental Policy and Planning at Tufts University is searching for a part-time lecturer to teach graduate-level Geospatial Programming with Python in Spring 2021. Teaching may require in person, hybrid or remote assignments.

This course will combine an introduction to Python with the fundamentals of spatial analysis and will introduce programming constructs using Python. Students will apply these programming skills using high-level toolkits to geoprocessing. Topics will include data types, functions, loops and control structures as well as the basics of object-oriented programming in Python. Geospatial topics will include projections and coordinate systems, spatial data structures, overlay and data management as well as vector, raster, surface and network data algorithms. The class will include automation of spatial analysis tasks and the application of Python based open-source tools for individual projects.

Qualifications
Candidates should have an MS or PhD in GIS or geography, or an advanced degree and experience teaching and/or applying geospatial programming. Candidates must show evidence of successful teaching in geospatial programming or closely related areas such as GIS.

Application instructions
All application materials must be submitted via Interfolio at apply.interfolio.com/79182 Please submit a cover letter, CV, teaching evidence (syllabus, course evaluations, etc.) and contact information for three references. Questions about the position may be directed to maria.nicolau@tufts.edu. Review of applications will begin immediately and continue until the position is filled.

EEO statement
Tufts University, founded in 1852, prioritizes quality teaching, highly competitive basic and applied research, and a commitment to active citizenship locally, regionally, and globally. Tufts University also prides itself on creating a diverse, equitable, and inclusive community. Current and prospective employees of the university are expected to have and continuously develop skill in, and disposition for, positively engaging with a diverse population of faculty, staff, and students.

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