

To learn more  
about GIS at  
Buffalo State,  
please visit the  
Geography &  
Planning  
Department  
website or the  
GIS Tech Hub  
website

[gistechhub.buffalostate.edu](http://gistechhub.buffalostate.edu)

SUNY Buffalo State  
Geography & Planning Department  
1300 Elmwood Avenue  
Buffalo, NY 14222

Phone: 716-878-6216

Fax: 716-878-4009

E-mail: [kortapj@buffalostate.edu](mailto:kortapj@buffalostate.edu)

Instructor Contact Info:

Tao Tang  
[tangt@buffalostate.edu](mailto:tangt@buffalostate.edu)

Wende Mix  
[mixwa@buffalostate.edu](mailto:mixwa@buffalostate.edu)

Mary Perrelli  
[perrelmf@buffalostate.edu](mailto:perrelmf@buffalostate.edu)

We're on the web!  
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**BUFFALO STATE**  
The State University of New York

## GIS Courses at SUNY Buffalo State

Fall 2018

### GEG 325 MAPS AND MAPMAKING USING GIS

3 credits

Prerequisites: None

Maps as essential form of communication. Geographic information systems (GIS) tools for creating digital and hardcopy maps. Spatial thinking, concepts, principals and methods of mapmaking; map development and display using technology.

Tuesday and Thursday, 9:25 AM-10:40 AM

Instructor: Mary Perrelli

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### GEG 418/518 REMOTE SENSING

3 credits

Prerequisites: GEG/PLN 325; or instructor permission.

Concepts of remote sensing and its applications. Principles and methods of electromagnetic radiation, aerial and space remote sensing. Basics of digital image processing, spatial data capture and interpretations from remote sensors.

Tuesday and Thursday, 10:50 AM-12:05 PM

Instructor: Tao Tang

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### GEG 425/525 FUNDAMENTALS OF GIS

3 credits

Prerequisites: GEG/PLN 325.

Principles and methods of spatial data capture, automation, models and structures of spatial databases, spatial analysis, visualization, and map display in Geographic information systems (GIS) environment. Fundamentals of spatial analytical methods including spatial database query, location and geographic coordinate concepts, spatial geocoding, buffering, map overlay, and spatial modeling.

Tuesday and Thursday, 4:30 PM– 5:45 PM

Instructor: Tao Tang

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