

He Jin

NES 305

Advanced GIS (6100C) (master & doctoral Level)
GIS for non-majors (GIS 5049) (master level)

Fall 2019:

GIS I (GIS 4043 C) (senior level)
Advanced GIS (6100C) (master & doctoral Level)

Spring 2019:

Advanced GIS (GEO 403/503) (senior & master level)
Applied GIS (GEO 341) (sophomore level)

Lab instructor

Texas State University, Department of Geography

GIS (I) (GEO 5415/7417) (graduate level)
Advanced GIS (GEO3426) (senior & junior level)
Fundamentals of GIS (GEO2426) (sophomore level)
Introduction to Remote Sensing (GEO3416) (sophomore level)
Advanced Remote Sensing (GEO 5415/7415) (graduate level)

East Stroudsburg University of Pennsylvania, Department of Geography

Applied GIS (GEO 502) (graduate level)
Advanced GIS (GEO 513) (graduate level)
Introduction to Remote Sensing (GEO 511) (graduate level)
Oceanography (senior/graduate level)

laboratory. Supervisor: Dr. Shixiong Hu

- 2012 Bank Stability Monitoring in Brodhead Watershed, PA. Supported by DCNR-PA Recorded waypoints every 250 feet along the stream bank using Trimble GPS unit, and created digital map and geodatabase with ArcGIS. Collected soil samples along the Brodhead watershed and perform the analysis in the lab. Supervisor: Dr. Shixiong Hu

4. Project Involved

- 2018 Texas Atlas Project. This project was founded by Dr. Lawrence Estaville in Texas State University in 2000.
- 2017 The Experience of Hungarian Jews in Budapest during and immediately after the Holocaust. Toni Schiff Memorial Foundation, UK. £49,570
- 2014 Continual stream temperature monitoring project throughout the Brodhead watershed, supported by Cora L. Brooks Fund, \$5,720.
- 2013 GIS-based Modeling the potential bank erosion sites in the Brodhead Watershed, PA, supported by PA Department of Conservation of Natural Resources (PA DCNR), \$60,000
- 2012 Using LiDAR data to study the impact of sea level rise on coastal erosion and the habitat of endangered species, supported by NASA and US Fish & Wildlife Service, \$150,000
- 2012 Monitoring and modelling stream temperature in Paradise Watershed, Monroe, PA, supported by Coldwater Heritage Partnership, PA Department of Conservation of Natural Resources (PA DCNR), \$4,985.

B. Works not in Print

1. Papers Presented at Professional Meetings:

- 2019 USF GIS Day, Presentation: Integrating Multiple Data to Identify Urban Villages in China. USF Library at Tampa, FL, November.
- 2018 AAG Annual meeting, Presentation: The Effects of Fast Food Chains on Obesity among Texas Public School Children. Boston, MA, April.
- 2017 Texas State University 3MT competition, Presentation: Childhood Obesity and Socioeconomic Status Relationship, Intervention, & Policy. San Marcos, TX, April.
- 2016 International Conference on Medical and Health Science (ICMHS), Presentation: Does Geographically Weigh
December.
- 2016 Index in Texas Using Contiguity Constrained Clustering and Partitioning. San Francisco, California, March.
- 2015 SWAAG- Applied Geography Joint Meeting. Presentation: The Relationship between Obesity and Socioeconomic Status among Texas Schoolchildren and its Spatial Variation. San Antonio, Texas, November.
- 2015 Student Paper Competition, 23rd International Geoinformatics Conference. Presentation: The association of physical fitness and academic performance for the students in Texas public schools. Wuhan, China, June.
- 2014 SWAAG-GPRM Joint Regional Meeting. Poster: Study on temperature changes in the local watershed. Albuquerque, New Mexico, October.
- 2014 AAG Annual Meeting. Presentation: Study on the impact of water temperature increase on cold water fish in Brodhead Watershed, NE Pennsylvania. Tampa, Florida, April.

3. Professional Qualifications

Cert./ Basics of JavaScript Web Apps, Esri, 1/28/2019

Cert./ Python for Everyone, Esri, 1/28/2019

2016 Travel Grant, sponsor by Department of Geography and Graduate College (\$ 800)
2015 Travel Grant, sponsor by Department of Geography and Graduate College (\$ 800)