Embedded GIS instruction

Spring Quarter 2019 represents a highpoint for use of geospatial analysis and map making in classrooms at Northwestern. GIS is playing a role in these four highlighted courses which cover a range of disciplines, all with imbedded geospatial analysis as part of the course content:

- **Political Science 395 “Action Research in Refugee Studies”** taught by Professor Gayla Ben-Arieh has students using ArcPro to create maps and is having students edit Open Street Map data in regions of need.
- **Humanities 325 “Bulldozed: São Paulo and Chicago”** taught by Professor Andrew Britt is also using ArcPro to create maps that tell the story of how demolitions in Chicago (USA) and São Paulo (Brazil) have impacted them in the twentieth century.
- **School of Education and Social Policy (SESP) 351 “Community Partnerships”** offered by Professor Nichole Pinkard is designed to integrate geography with the demographics of a community’s learning ecosystem. Students are introduced to GIS tools and analysis techniques. As a final project, they will create a Story Map to help community stakeholders answer the question: How healthy and equitable is Evanston’s learning ecosystem?
- **English 101 “Mapping American Literature”** taught by Professor Meghan Fritz is using ArcGIS Online to have students write about places through surveying American regionalism and building story maps about the South, New England and the Great Plains regions of the United States.

Enterprise login for ArcGIS Online

ArcGIS Online is enabled to use your enterprise login (NETID) so there is no longer a need to request a different login from the Geospatial and Data Services team here in the Libraries. You can get started right away using your existing NETID and password.

- **What is ArcGIS Online?** Find out more about the application here.
- **Learn how to use it.** Free self-paced tutorials here.

In-Person Support

We offer a range of in-person support for your geospatial projects:

- **GIS Project request form:**
  - We love to help with your GIS project. Get started today by filling out this simple form.
- **In class/lab training**
  - Have a GIS project in mind for your research team or class you are teaching? Please send us an email gis@northwestern.edu. We are here to work with you.

Self-Paced Training

The following online training materials are free to NU-affiliated users with an Esri Training account (request at gis@northwestern.edu). Locate these and other online training materials at https://www.esri.com/training/.

Data Resources

The Big Ten Academic Alliance has launched the Big Ten Geoportal a collectively managed site featuring geospatial data access to scholars including GIS datasets, web services, and digitized historical maps from multiple data clearinghouses and library catalogs.

Learn GIS Over the Summer

Level 1 “first course” in GIS (ENVR SCI 390) will be taught this summer session at the Evanston campus. The course is set up for the advanced undergraduate, but with no pre-requisites. This course also bears graduate credit, if you take it under the co-listed Plant Biology and Conservation PBC-470 code. The integrated lectures and labs are ideal for laying the foundations of GIS across the social and natural sciences. Please contact Professor Patricia Beddows if you have questions.

Wildcat GeoGame

The Wildcat GeoGame is open to students, faculty and staff and is a great way to test your geographic knowledge each day during the quarter with a new question. You can play here: https://dailynorthwestern.com/wildcat-geogame/.