

# EGN 4930 / EGN 5932C

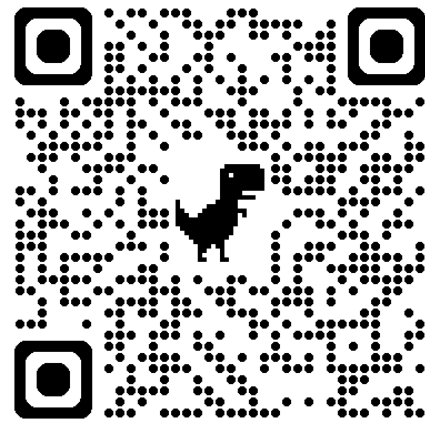
## Environmental Data Science

Class T R – 04:30pm - 05:45pm

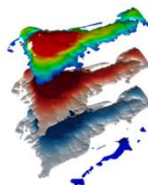
SPRING 2025

Instructor: Ahmed S. Elshall, PhD

Learn to analyze and visualize environmental and water data using Python in [project-based, hands-on course](#). We will cover Python basics, programming, and libraries like NumPy, Pandas, Matplotlib, Xarray, Cartopy, Geemap, and scikit-learn. You will gain practical experience by working with big data from NOAA, EPA, NASA, USGS, and more. No prior programming experience is required!



Scan for syllabus  
<https://aselshall.github.io/eds>



FloPy<sub>3</sub>  
a Python package

