

# INTRO TO SCIENTIFIC PROGRAMMING

AGRON 935

Spring 2019 [3 credits] - TU 14:30-15:45 TH1017

This course is intended **for students that have little or no programming experience** and are interested in acquiring basic programming skills. The course will focus on understanding programming logic by developing codes for common tasks related to environmental science.

The course will require the student to bring his/her own laptop to each class. The class will be based on the Python programming language, but the course is aimed at **teaching students how to breakdown problems** beyond any specific programming language.

Through live coding sessions, puzzles, and team challenges you will learn:

- ✓ basic commands and good programming habits
- ✓ **reproducible research** practices using Github and IPython notebooks
- ✓ import, process, and export data
- ✓ generate publication quality figures
- ✓ create and test custom models



*For questions contact Dr. Andres Patrignani at [andrespatrignani@ksu.edu](mailto:andrespatrignani@ksu.edu)*