The University of Iowa
College of Urban and Regional Planning
Introduction to Coding Basics
Fall Semester, 2016
6:30 – 8:00 T 346 JH

Some of the policies relating to this course (such as the drop deadline) are governed by its administrative home, the College of Liberal Arts and Sciences, 120 Schaeffer Hall.

Instructor: Mark Pooley
Instructor Email address: mark-pooley@uiowa.edu

Description of Course
The course description reads:

> This introductory course is intended to give a gentle and hands-on experience in writing Python (a popular scripting language) code and its applications. We'll start with learning the basic syntax and variable types, then move into functions, loops, conditional statements, and finish with implementation of python in ArcGIS. This class will be meet briefly for 20-30 mins, then move to the computer lab for students to work on problems.

Note, this course is not seeking to provide a comprehensive background in computer science, rather it's a meant to serve as in introductory/overview course to provide students with enough exposure to help them implement Python scripting in other coursework. This is not intended to be an "intense, sink or swim" course. Problems will be provided by the instructor for students to work through during lab class time. Students will be encouraged to work together and share ideas.

Texts and Resources
None! The internet in our text book!

Grades and Examinations
This will be a pass/fail course.

Course Calendar

Date: 09/13/2016	Topic: Variable Types and basic functions
Date: 09/20/2016	Topic: Using loops and conditional statements
Date: 09/27/2016	Topic: Introduction to Python Libraries and their uses
Date: 10/04/2016	Topic: Python in ArcGIS – creating your own tools.