

Overview

This course is a fast-paced introduction to Matlab for PhD students in Economics. The focus of the course is to learn the core of the Matlab programming language. Students will learn the language by applying it to solve common problems in Economics, such as estimation and dynamic programming. The course is designed for PhD students that have completed their 1st year of coursework and are interested in learning a programming language focused on mathematical problems and that is used in academia.

Readings

- [Lecture notes](#)
- [Official Documentation](#)

Prerequisites

- This course is intended for Duke PhD students.
- Graduate econometrics and macroeconomics is required.
- Students should have basic programming experience (at the undergraduate level).
- Students must have the latest version of Matlab installed: see [Setting Up](#) for instructions.

Grades

- Final grade will be based on completion of assignments
- Assignments are due a few days after the last lecture of the course
- Students must be present at all classes

Assignments

- Problems will be assigned at the end of each discussed topic.
- Assignments are individual. Each student must do the entire problem set. This includes: writing your own code, making your own plots, interpreting the results, and preparing a `.pdf` report with Latex.
- The best way to learn the contents of the course is to complete the assignments yourself.
- No late projects are accepted.
- Solutions with excessive overlap with other student's answers will receive a zero grade.
- Students must uphold the [Duke Community Standard](#).

