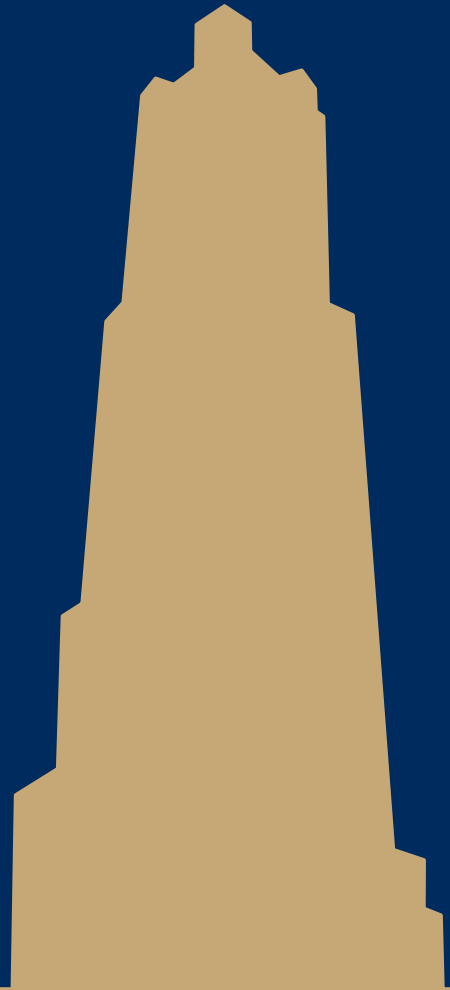# CS/COE 1520

Course Introduction

# Programming languages for web applications

- Goals for the course:

  ○ Examine the functionality of several different programming languages to gain a better understanding of the study of programming languages, themselves

  ○ Learn the basics of and current practices for developing web applications

# Tentative Syllabus – Aggressive schedule

- HTML & CSS
- Responsive Design
- Client-side scripting - JS
- The DOM
- Web Storage
- Networking Overview
- Python
- Server-side programming
- Templates to generate views

- Database models
- AJAX
- Building Web APIs
- Rust
- WebAssembly
- Functional Programming
- Web Security
- React
- Regular Expressions

# ANNOUNCEMENTS

- Course audience

- Course style

- Required software

- Remote synchronous lectures

- Projects instead of written exams

- Weight on labs, projects

- Participation and presence in the lectures – unmute your mic and talk

- Try to join the meeting BEFORE it starts

- Everything should be in the Syllabus page

- No lab/recitation this week

- RedShelf textbook

- Lectures are recorded / previous semester recording also available

# Instructor Info

- Paulo Brasko
  - Email: brasko@pitt.edu
  - Office: Zoom meetings: https://pitt.zoom.us/j/91904818077

- Prefix all email subjects with **[CS1520]**

- Address all emails to both the instructor and the TA

# Classroom resources

- Canvas:
  - Grade reporting
  - project deadlines
  - Zoom links
  - lecture videos
  - announcements from instructor/TAs
  - Lab links
  - Exam links
  - office hours
  - TA contact info/office hours

- Codes Examples:
  - GitHub: https://github.com/Paulo-Brasko/CS-1520

# Meta-notes

- These notes are intended for use by students in CS1520 at the University of Pittsburgh.  They are provided free of charge and may not be sold in any shape or form.

- These notes are NOT a substitute for material covered during course lectures.  If you miss a lecture, you should definitely obtain both these notes and notes written by a student who attended the lecture.

# Course Info

- **Review the Course Information and Policies (In Canvas)**

- **Assignments will not be accepted after the deadline**
  - No late assignment submissions
  - If you do not submit an assignment by the deadline, you will receive a **0** for that assignment

# General Notes

- Join the zoom meeting before the lecture starts
- Recitation Tas
- Instructor office hours
- Presence in class is mandatory
  - Asking questions via chat
- VS Code
- Upload your picture
- Disable video and mic during zoom lectures
- Syllabus will be updated as we go along
  - Expect some bumps on the road...