**Introduction**

September 2020

**Contact Information**

- Instructor: Prof. Betty O'Neil, Elizabeth.oneil@umb.edu
- Office hours – MWF 3:00–3:45 and Tu 5:00–5:45 or by appointment (might change, check on class web page).
- Course schedule: MW 7:00–8:15 online by Zoom
  See id and passcode in your UMB email.

**Course website:**
www.cs.umb.edu/cs310.

**Syllabus:**
www.cs.umb.edu/cs310/syllabus.html

**Let's look at that now...**

**Class accounts**

Apply for an account with the class ASAP, as described in the syllabus. This is needed even if you took cs210 or are repeating cs310.

You will get a subdirectory ~/cs310 where assignments can be submitted. Don’t create this directory yourself; that will prevent the script from doing its job to set you up.

You own area ~/cs310, including its subdirectories, is accessible only by the instructor and the graders, not other students.

**Communication**

- Methods for structuring and manipulating data in computing.
- Application program interface (API), data abstraction and encapsulation.
- Design and analysis of algorithms, including theoretical background.
- Algorithmic techniques – greedy algorithms, dynamic programming etc.
- Graph theory and applications.
- Throughout the entire course, we will study advanced techniques for program development and organization, including use of interfaces and inheritance.

- Read your UMB email regularly! Forward it to another account if you wish.
- There will be a Piazza group and you will be added with your UMB email accounts.
- Post questions or comments to Piazza you think may be of interest to the class.
- If you want to include a code snippet, make it a private message on Piazza or send the email directly to me.
- Or visit the office hours where you can share your screen with your code.
- Announcements will be posted on Piazza. Make sure to follow it.
Class Attendance

- Attendance is not required (but highly encouraged). You are responsible for keeping yourselves up to date if you miss a class.
- All slides and video snippets are posted on the class web site.
- If you miss classes regularly I will treat you fairly but won’t go out of my way to help you make up the missing material.

Academic Honesty

- The homework and programming assignments are strictly individual. So are the exams.
- For programming assignments I may use the MOSS plagiarism detection software.
- See the syllabus for more information.