CSC 1051 Algorithms & Data Structures I

Welcome & Getting Started

About me

Dr. Tom Way

Research

- Machine Learning
- Sentiment Analysis
- Social Network Extraction
- Computer Science Education

More about me

- Runner
- Magician
- Hollywood writer
- Textbook author

Adventures in WONDERLAND

Rephactor

ROC

Even more about me

- Married, 5 children, 1 puppy, 1 cat

Luke, Jake, Annie, me, Emma, Ned, Mellie

Penny Rose

Daisy

CSC 1051

About You

- Zoom survey
  - Reason for taking class: major, minor, science credit, personal enrichment, other
  - Programming experience: lots, some, a little, not really any
  - Best time for office hours: morning, afternoon, evening, weekend
- Questions for you (send an email to me)
  - What is your name and major?
  - What would you like to get out of this course?
  - What is something about you that most people don't know?

Course Overview

- Web site – Syllabus, Schedule, How to Attend
  *** Always check the Class Schedule for everything ***

- Slides – Use as a guide to most important topics

- Textbook – Rephactor.com

  - Rephactor Syllabus – Assignment readings for each week
  - Quick Check Quizzes – Improve learning, get credit for readings
  - Attendance – check-in to class via Rephactor
  - Exercise Sets – short, programming assignments
  - Easter Eggs – hidden in *italics* on every topic

- Video Recordings – each class recorded for reference

- Blackboard – handing in, gradebook, etc.

Assessment

10% Quick Check Quizzes (Rephactor)

10% Exercise Sets (Rephactor)

20% Lab Assignments (Blackboard)

20% Programming Projects (Blackboard)

15% Midterm Exam (Blackboard)

20% Final Exam (Blackboard)

 5% Participation & Attendance

Each of these is describe on the class Syllabus

Class Flow

- By end of day each Monday
  - Finish **Lab** assigned previous Wednesday (if not during Wed class)
- By end of day each Tuesday
  - Finish **Project** assigned previous Wednesday
- By start of class each Wednesday
  - Read assigned topics and do **Quick Check Quizzes**
  - Watch videos for each assigned topic (if you like)
- By end of day each Thursday
  - Finish that week's **Exercise Set**
- Each class meeting will combine
  - **Attendance** check-in via Rephactor
  - Lecture & demonstrations to supplement reading
  - Hands-on programming activities & lab work
  - Wednesday: Work on Lab, introduce Project
  - Monday: Q&A regarding Lab and Project, working time for each
- Office hours – tbd, also by appointment for extra help
- Extra Help – Villanova Peer Tutors (see Syllabus for info)

Getting Help

- Start with our class web site
  - Google "Dr Tom Way", follow link to CSC 1051
  - Look around for helpful info

- From your professor
  - Quick email (questions, code you're working on, etc.)
  - Visit office hours (days and times coming soon)

- From peer tutors
  - See info on Syllabus on the class web site
  - Meet Ander Swartz right now!