

CS-240 Course Overview

Dr. Wilkerson

Dr. Wilkerson - Personal

- Contact info: see course website (<https://students.cs.byu.edu/~cs240ta/winter2020/>)
- Finishing my second year as a BYU professor
- Taught at Penn State, Erie for 6 years
- Michigan, Lansing Mission – 1987 - 1989
- Married and have 5 children
- Son, daughter, and son-in-law at BYU
- Daughter-in law and nephew just graduated from BYU
- Son on a mission in Lima, Peru, will be at BYU in Fall 2020
- 3 nieces at BYU
- Interests: Skiing, BYU football, time with family

Dr. Wilkerson's - Family



Dr. Wilkerson's – Family (cont.)



Dr. Wilkerson – Work and Education

- Earned two degrees from BYU in 1994
- Worked in industry for 10 years
 - Software Engineer
 - Consultant
 - Business Owner
- Returned to school for Ph.D. at University of Arizona in 2004
- Taught MIS at Penn State, Erie for 6 years
- Returned to industry for 4 years
 - Senior Development Manager
 - Software Engineering Director
- Started at BYU in Fall 2018

I Love the Mission of BYU

“To assist individuals in their quest for
perfection and eternal life”

That's why I'm here!

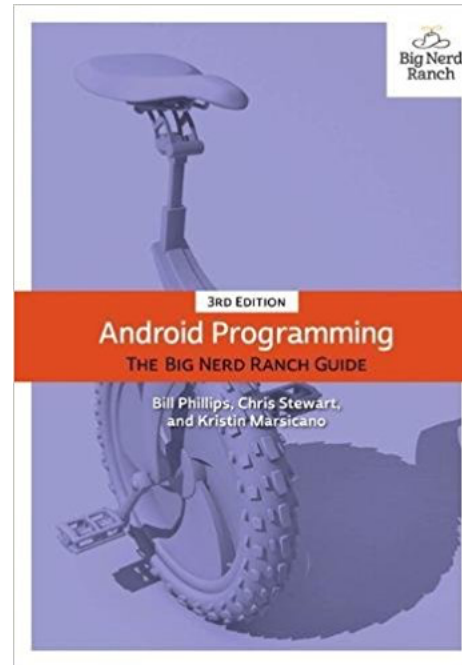
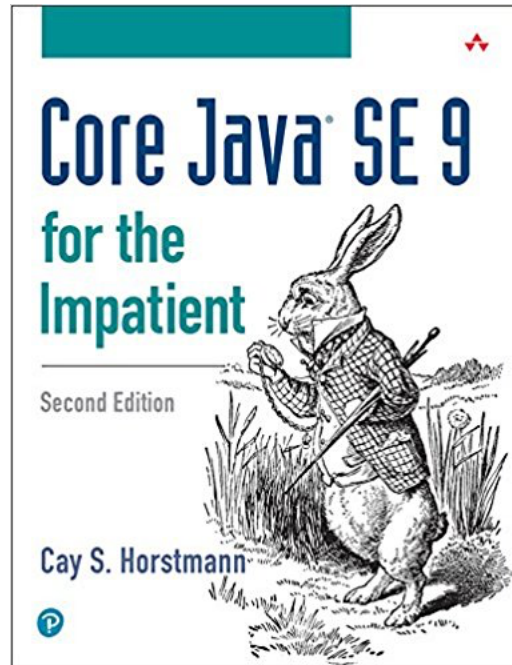
Course Overview

- This is a project-based course
- You will complete the projects in Java
- You will build an Android client for a significant project
- You will mostly teach yourself Java and Android by reading the assigned chapters and completing programming projects
- **IT IS CRITICAL TO YOUR SUCCESS IN THIS CLASS THAT YOU COMPLETE THE ASSIGNED READINGS BEFORE CLASS**
- Lectures will focus on reinforcing difficult concepts with a focus on concepts required for the projects

Course Overview

- This course is all about learning to build large programs in Java and Android
- Programming is hard
- Time spent on large programs is sometimes unpredictable
- You will struggle at times
 - This does not mean you can't do it!
 - This does not mean you shouldn't do it!
 - This means you are learning!

Textbooks



Course Structure

- Pre-Class Reading
- Programming Projects
 - Image Editor
 - Spelling Corrector
 - Evil Hangman
 - Family Map
 - Family Map Server DAO
 - Family Map Server
 - Family Map Login
 - Family Map Client
- All programming projects are passed-off with a TA in 1058 TMCB
- Exams
 - One programming exam (you must pass the programming exam to pass the course)
 - One written final exam

Course Structure (cont.)

- Lectures
 - Come to class having read the material for the day (see schedule on website)
- Other
 - Extra credit presentations
 - One or two slides emailed to Dr. Wilkerson by the previous class day
 - Slides must contain Internet sources
 - Your name must appear on the first slide
 - 0.5% added to your final grade
 - Guidelines: https://faculty.cs.byu.edu/~jwilkerson/cs240/lecture-notes/00-instructions-and-course-documents/extra_credit_presentation_guidelines.pdf
- Course Website: <https://students.cs.byu.edu/~cs240ta/winter2020/>

Programming Exam

- Used to ensure that students have the programming skills required to succeed in upper-division computer science courses
- Timed (3-hour) implementation of one of the first programming assignments completed in the class
 - Randomly assigned to complete either the Spelling Corrector or Evil Hangman Program
- Can take the exam multiple times for significantly reduced credit each time

TA Help Policies

- The TA's will not have time to teach you Java or Android (they cannot substitute for attending class or completing the assigned reading)
- Before seeking help from the TAs:
 - Read the project specification thoroughly
 - Work for at least 30 minutes on your own
 - Be up-to-date on all reading assignments
 - Attend every class
 - Review and understand related coding examples and PowerPoint files under "Lecture Files"
 - Have a well-formed question
- This is a summary. Read the complete list on the course website.

Course Policies

- See Policies on the course website

Cheating Policy

“Working Together” section of Policies page:

All assignments that you turn in must be your own work. You may discuss concepts, ideas, and general approaches with others (e.g. at a whiteboard), but when it comes time to create actual design documentation or source code, you must work alone. You may not share electronic files or hard-copy printouts containing designs or source code with other students, either as giver or receiver. You may not work in close synchronization with other students in a side-by-side fashion. Violations of this policy will result in all involved students failing the course and the possibility of further action at the university level.

Imposter Syndrome



Keys to Success in CS 240

- Keep up with the assigned reading
- Come to class every day
- **DO NOT PROCRASTINATE STARTING OR WORKING ON THE PROJECTS**

Before Next Class Period:

- Review the Linux Tutorial
- Download and install the latest version of the JDK
- Download and install **IntelliJ** or Eclipse
- Read the spec for the Image Editor project
- Start working on ImageEditor assignment
- Read chapter 1 and chapter 9 sections 1 and 2 (if you haven't already)

Sample Extra Credit Presentations