

Week1 Notes

Welcome to IE246, Discussion of Syllabus.

- Read Syllabus, nothing is negotiable: https://www.youtube.com/watch?v=aOlVB2YtAhY&ab_channel=kansaspolitics
- If you have any technical issue, please contact the instructor ASAP.
- We will use Calendly for office hours, one to one sessions. Zoom Link will be automatically emailed to you when you schedule your spot on <https://calendly.com/erhun-kundakcioglu/10min>
- Lectures (asynchronous) on loom: Don't have to sign up, you can follow from the LMS.
- Short live meetings (Monday-Tuesday, less than a hour): zoom links will be provided weekly >> interactive, won't be recorded, you don't have to attend to but you are strongly encouraged.
- You cannot take this course with a conflict. You have to ask the instructors permission. So if there is a conflict in your schedule but the system allowed you to add this course, you have to contact the instructor as soon as possible.
- Any course interaction is going to be over LMS. Keep track of LMS, check announcements frequently.
- A decent computer is a must, cell phone is big plus. If you don't have camera to scan handwritten assignments, contact the instructor ASAP.
- Objections: If you don't agree with your grade, you can make an objection in 1 week after a grade is announced.
- Bottomline: Learn the concept, material.
- Required book will be covered in lecture. It is an easy read so feel free to read it before classes.

Requirements

- Learn the fundamentals. The rest will change anyway!
- Check Lightbot: <https://lightbot.com/> This is what this course is going to be about, creativity, algorithm mindset, abstract thinking. Java syntax is a just a tool.
- Download and install JDK
- (Optional) VirtualBox (check Ubuntu-VirtualBox tutorial)

Basics

- Test Java:
 - (Mac/Linux) open terminal, write "java -version"
 - (Windows) open cmd: write "java -version"
- Suggested IDEs: Eclipse, IntelliJ, Netbeans (you can download and install now but we will not be using this for a few weeks)

- Suggested Text Editors: SublimeText, Atom, Vim, TextEditor, NotePad, NotePad++, Emacs, Nano
- Some commands used in the video clips: nano, ls, mv, cd, rm

Further notes:

- You can use Adobe Scan, Office Lens, Evernote, Apple Notes to take a decent picture of your handwritten notes. You can search for their names in your app store (iTunes, GooglePlay etc.)

Tool Mentioned and Links:

- JDK: <https://www.oracle.com/tr/java/technologies/javase-downloads.html>
- SublimeText: <https://www.sublimetext.com/>
- Atom: <https://atom.io/>
- Vim: <https://www.vim.org/>
- Notepad++: <https://notepad-plus-plus.org/downloads/>
- Emacs: <https://www.gnu.org/software/emacs/>
- Eclipse: <https://www.eclipse.org/downloads/>
- IntelliJ: <https://www.jetbrains.com/idea/>
- Netbeans: <https://netbeans.org>
- VirtualBox: <https://www.virtualbox.org/>
 - Tutorial for Ubuntu 18.04 (Use 20.04 LTS, nothing changed but you'd better install the latest Ubuntu 20.04): <https://medium.com/@codingwithmanny/installing-ubuntu-18-04-on-mac-os-with-virtualbox-ac3b39678602>