Introduction to Programming Using Python Class 7 - Graphics Plus - Timeline

06:30 Course Introduction – Slide 1

06:35 Questions, Homework, Iteration 7 (Handle guess illegal input)

06:40 More Questions

06:45 Graphics - Display / Control beyond text - Slide 3, 4

06:50 Graphics – Creating a window, getting input - Slide 6

exercises/graphics/my\_window.py – tkinter, resize, iconify

exercises/graphics/gr\_hello.py

06:55

07:00 Graphics – widgets – graphics tools - Slide 7, 8

07:05

07:10 Graphics – Frame, Button - Slide 8

exercises/graphics/tutorial\_hello\_world.py

07:15 5-minute BREAK

07:20 Graphics – continued - Slide 9

Simple tkinter tutorial:

<https://www.pythontutorial.net/tkinter/tkinter-hello-world/>

07:25

07:30 graphics version of notes

Text version – exercises/files/notes/notes\_3e.py

– limitations…loops within loops

07:35 Graphics version – Demo

exercises/graphics/notes\_graphics.py – program logic

exercises/graphics/notes\_data\_win.py – window layout/functions

07:40

07:45

07:50

07:55

08:00 5-minute BREAK

08:05 Question and Answer

08:15 OPTIONAL: Debugging – Slide 11-18

08:25