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| --- | --- | --- | --- | --- | --- | --- |
| **Week** | **Day (Hr)** | **Topic** | **Day (Hr)** | **Topic** | **Assignments** | **Points** |
| 1 | 1 (1,2) | Bye | 2 (3,4) | Syllabus (20)  Setup Python (15)  Basics (25) [Variables, Lists]  Basics (40) [Dictionaries, Tuples, Sets] |  |  |
| 2 | 3 (5,6) | Intro (10)  Basics (50) [loops, conditionals, functions]  Basics (40) [Classes, Modules, random] | 4 (7,8) | Intro (10)  File I/O (50) [Classes]  **Build an example** | Year to Remember | 100 |
| 3 | 5 (9,10) | Intro (10)  File IO (50) [Read, Write, append, with]  **Build an example** (40) | 6(11,12) | Intro (10)  Intermediates (50) [try/catch, command line arguments]  **Build an example** (40) | DB Part 1 | 100 |
| 4 | 7 (13,14) | Intro (10)  Basics (50) [JSON syntax] | 8 (15,16) | Intro (10)  File IO (40) [JSON] | DB Part 2 | 100 |
| 5 | 9 (17,18) | Intro (10)  Modules (50) [Build and use your own modules, from, import, as] | 10 (19,20) | Intro (10)  Pillow (50) [Pillow image manipulation] | Thumb on Pictures | 100 |
| 6 | 11 (21,22) | Intro (10)  GUIs (50) [Tkinter-label, entry, button]  GUIs (40) [canvas] | 13 (23,24) | Intro (10)  GUIs (50) [Placement Grid]  GUIs (40) [placement Pack, place] |  |  |
| 7 | 14 (25,26) | Intro (10)  GUIs (50) [Menus]  GUIs (40) [MDI] | 15 (27,28) |  | GUI Year Quiz | 100 |
| 8 | 16 (29,30) | Intro (10)  APIs (50)  APIs (40) | 17 (31,32) | Intro (10)  Scrape (50) [Read HTML]  Scrape (40) [Beautiful Soup] | Scrape Neumont | 100 |
| 9 | 18 (33,34) | Intro (10)  API examples(40) [Various API] | 19 (35,36) | Intro (10)  **Students Work on Final** |  |  |
| 10 | 20 (37,38) | Intro (10)  **Students Work on Final** | 21 (39,40) |  | Final | 200 |