

BE 434/534 Spring 2024 Schedule

Scheduled Topics/Activities

- TPP = Tiny Python Projects by Ken Youens-Clark

Week 1 (1/10–1/14): Course Introduction and Setup, TPP: Getting Started

Week 2 (1/15–1/21): Writing your first python program, TPP: Ch1

Week 3 (1/22–1/28): Hello (Strings), HW1: 01_salutations, Practice Quiz 1, TPP: Ch2

Week 4 (1/29–2/4) : Picnic (Lists), HW2: 02_sum, Practice Quiz 2, TPP: Ch3

Week 5 (2/5–2/11) : Jump the Five (Dictionaries), HW3: 03_solfege, Practice Quiz 3, TPP: Ch4

Week 6 (2/12–2/18): Howler (Files), HW4: 04_cat, Practice Quiz 4, TPP: Ch5

Week 7 (2/19–2/25): Words Count (Files, algorithms), HW5: 05_proteins, Practice Quiz 5, TPP: Ch6

Week 8 (2/26–3/3) : Apples and Bananas (Regular expressions, refactoring), HW6: 06_common, Practice Quiz 6, TPP: Ch8

Week 9 (3/4–3/10) : Spring Break!

Week 10 (3/11–3/17): Dial-a-Curse/Telephone/Ransom (Randomness), HW7: 07_iupac, Practice Quiz 7, TPP: Ch9,10,12

Week 11 (3/18–3/24): Bottles of Beer/Twelve Days of Christmas (Algorithms), HW8: 08_kmers, Practice Quiz 8, TPP: Ch11,13

Week 12 (3/25–3/31) : WOD (Parsing CVS files), HW9: 09_fasta, Practice Quiz 9, TPP: Ch19

Week 13 (4/1–4/7) : Password (Randomness), HW10: 10_conserved, Practice Quiz 10, TPP: Ch20

Week 14 (4/8–4/14): Tic-Tac-Toe (State), HW11: 11_run_length, Practice Quiz 11, TPP: Ch21

Week 15 (4/15–4/21): Tic-Tac-Toe (Types), HW12: 12_grep, Practice Quiz 12, TPP: Ch22

Week 16–17 (4/22–5/1): Coding Projects

