

CSI 394 – SpTp: Python Practicum – Spring 2018

Professor: Shaun D. Ramsey, Ph.D. (Dr. Ramsey he/him)

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Office: DUNN N102

Office Hours: W 10:30 - 11:20, Tu 3-4pm, F 2:30-3:30

(or by drop-in and appointment)

QSC Drop-In Hours: Tu 7-8pm, Th 4-6pm in DUNN N103

Class meetings: 394 T 4-6:30PM DUNN N103

Text: None

Web: <http://shaunramsey.com/class/18SPRING/394>

Overview and Advising: Our goal is to write a bunch of python code and practice python code on some real-world assignments and environments. Outside resources abound and thus we will not be using a book. Your code must be in Python 3. Make sure to reference and cite anything you're using, including any website you looked up just for a reference. We will have hard hand-in deadlines every 5 weeks. Make sure your github is up to speed by that time! We shall begin with strict definitions on expectations and move to more open-ended questions and expectations.

Grade Breakdown:

Projects Weeks 1-4:	30%
Projects Weeks 5-10:	30%
Final Projects:	20%
Participation, Presentation, Classwork and Citizenship:	20%

Attendance: Attendance is mandatory in this course. On your sixth absence in a MWF course or your fourth absence in a TTh course, you automatically fail the course. As a matter of courtesy, you are expected to notify Dr. Ramsey before class describing the reason of your absence. You must be present on the day of an exam or you will receive a 0. There is no distinction between excused and unexcused absences. It is quite likely that I will email you to discuss the reasons you have missed the class, but it is ultimately your duty to keep track of your absences and to contact me. Missing a class may result in missed classwork and/or quizzes. There are no make-up quizzes or classwork. It is your responsibility to obtain assigned homework, announcements and class notes from a classmate. Coming late (or leaving early) to class will also count against you. In this case, every two late arrivals (lates) count as an absence. Missing more than 15 minutes of a class counts as a full absence. Thus, for MWF, you fail the course with 12 lates or 6 absences or any mix of the two that add up to 6. Examples are: 2 lates and 5 absences, 4 lates and 4 absences, 6 lates and 3 absences, and so on.

Grading: I do not handle late assignments. Late assignments receive a score of 0.

Accommodations: If you have an accommodation that has been reported to the college,

please let me know as soon as possible so I can work to meet your accommodation. Please notify me of any necessary accommodation at least two weeks prior to the requirement so we can make it happen. If you suspect you might need an accomodation, I recommend that you speak with OAS as soon as possible.

Academic Honesty: You are always subject to the Honor Code of Washington College. Always sign the honor code on materials that you hand in (including homework and exams). All work must be your own. When handing in any assignment, including a program, you are required to cite every reference, including webpages. Failure to do so will be considered plagiarism. For exams in this course, you will be expected to sign the honor code and you may be audio, image, or video recorded.

General Tentative Schedule:

Week 1	Python, Beginnings
Week 2	Blurring an Image
Week 3	Wavelets
Week 4	Programming and Catch-up
Week 5	Hand-in Hard Line #1 (before class), Steganography - Encoding/Decoding
Week 6	Demos and Ideas
Week 7	Multiprocessing, Interpreters, Threads of Execution
Week 8	Storing Results - Simple Run-Length Encoding and Decoding
Week 9	Programming and Catch-up
Week 10	Hand-in Hard Line #2 (before class), Final Project Discussions
Week 11	Proposal Presentations and Work
Week 12	Visualization Packages and Work
Week 13	Work/Catch-up
Week 14	Final Presentations

Note: This document and a tentative week by week schedule are available from the website listed above.