

TCOM 590-003

Instructor : Pranav Kondala

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Time and Place: FRI 7:20 – 10:00/ ENGR 1107

Office Hours: Before/After class or by appointment

Requirement: Laptop

Grading and Course Requirements

- 5 Programming assignments
- 1 Paper
- 1 Final Project

Topic	Evaluation
Assignments	50%
Paper	20%
Final Project	30%

Grading Scale

97 – 100% A+

93 –96% A

90 –92% A-

87 –89% B+

83 –86% B

80 –82% B-

70 –79% C

Course assignments and projects:

Will be assigned on Saturday and is due the following week's class unless specified differently. Although the homework can be turned in later time without penalty if the student gets my permission, there will be 20% penalty on turning late.

Term Paper:

There will be one term paper for this course due on Nov 11. The topics are to be discussed in class. However, there are no specific requirements on how wide or deep the contents should be. The paper should be using Times New Roman, Font 10, Line Space 1.5 and Margins 1.0' all around. The paper should have a cover page, table of contents, abstract and work/paper cited. The minimum content pages should be NO less than 10.

Final Exam:

Final score will be based on Final Project. Final Project can be individual or a group of max 2 student. Topics for project will be discussed during class work.

Course Outline:

Date	Topic	Assignment
9/6/2019	Intro to Programming, Setting up Virtual Lab, PyCharm, Intro to Linux.	Reading
9/13/2019	Loops and conditions	Reading + Assignment
9/20/2019	Function, Class, string and data manipulation	Project
9/27/2019	Python sockets, Logging, error handling	Reading
10/4/2019	Regex, Pandas,	Reading + Assignment
10/11/2019	Database (SQLite3/mongodb)	
10/18/2019	In class project	
10/25/2019	Paramiko, Flask and Graphing	Reading and virtual box
11/01/2019	Requests, API and web scrapping	Virtual lab configuration (configure routers)
11/08/2019	Introduction to Ansible	Project
11/15/2019	Ansible 2	Reading + paper
11/22/2019	Thanksgiving Break (No Class)	Reading
11/29/2019	Project discussion	
12/6/2019	Final Project	

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