

Course Information

Course Number/Section ITSS 4381.501
Course Title Object Oriented Programming with Python
Term Fall 2021 (August 23 – December 7); Finals Dec 9th – 11th
Class Time Mondays and Wednesdays at 5:30 pm CT
Class Modality JSOM 2.803

Professor Contact Information

Professor Sunela Thomas
Email Address sunela.thomas@utdallas.edu
Office Hours By appointment

TA Information

TBD

Course Modality and Expectations

Instructional Mode	Traditional/in-person
Expectations	Students are expected to participate in class through discussions/ surveys/ in-class quizzes, complete all readings, assignments, homework, and exams by the specified time. Details will be posted on eLearning. It is the student's responsibility to check eLearning every day to see whether there are any announcements or updates to materials.

Class Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Successful participation is defined as consistently adhering to university requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

The instructor may record some meetings of this course. Recordings, if done, will be available to all students registered for this class as they are intended to supplement the classroom experience. Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation.

Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded

during the course; however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Course Pre-requisites, Co-requisites, and/or Other Restrictions

Prerequisite: ITSS 3311

Course Description

Students will learn basic concepts of Object-Oriented Programming (OOP), perform data analytics, and implement the ideas using Python, a scripting language. The classes will consist of lectures interwoven with hands-on coding that reinforces the language constructs as well as using functions from basic libraries. The students are required to bring their laptops to the class so that they can practice coding as a follow through during the lectures. The lectures will provide opportunities for the students to collaborate and learn (paired learning).

Required Textbooks and Materials

Textbooks: NONE

Other Materials:

Laptop REQUIRED from the first day of class

Python and Jupyter Notebook (Instructions to download will be provided in eLearning)

GitHub Account

Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website. Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information. To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

Communication

In addition to live class instruction, this course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

Server Unavailability or Other Technical Difficulties

The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students

from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and contact the online [eLearning Help Desk](#). The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

Lecture Guidelines

- Students are expected to be present, attentive, engaged, and participative during lectures.
- Students are expected to have a PC open in class to enable participation in exercises and activities.
- Lectures will start on-time and most often will use the entire class-time duration.
- There will be graded hands-on class activities.
- Students are responsible for all materials covered in a lecture, irrespective of their attendance. Neither the TA nor the instructor are required to cover lecture content one-on-one for students missing lectures.

Special Purpose Assessments Guidelines (~5% of final grade calculation)

There are 2 special-purpose assessments during the semester for which students will earn points.

- Semester Start – Covers the syllabus and student profile information.
- Mid-Semester – Provides a forum for feedback to the instructor on students' satisfaction with the course and suggestions for improvements to the course.

Project/Assignment Guidelines (~40% of final grade calculation)

- Projects are problems students will solve via Python programs.
- Information related to projects will be posted in eLearning as they are assigned. Projects require sufficient comments.
- Projects are to be submitted in eLearning and before class start time on the date due unless the instructor advises otherwise. Submissions via **email will not** be accepted unless specifically requested that way.
- Multiple submissions are allowed with the last submission graded.
- Late Projects will be accepted but with discounted points. For a 25-point project, 3 points will be deducted each day a project is late. Projects are due at the beginning of class time. Submissions to eLearning after the class start time will be subject to the 3-point deduction for day 1. Submissions 24:01 (hh:mm) after class time will be subject to another 3-point deduction, etc. Submissions after 48 hours will receive a grade of ZERO.
- Each student is expected to do their own work on the projects. Working on projects together or in groups, copying another student's work or computer files, or having another person do your work is scholastic dishonesty and will be addressed via the academic dishonesty processes of the University.

Quiz Guidelines (~5% of final grade calculation)

- Quizzes will be administered throughout the course to provide feedback to the students and the instructor on the students' understanding and retention of content.
- Quizzes will be administered via eLearning or another online tool during class time.
- There will be **no makeup** opportunities for quizzes as it will be during class time.

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Exam Guidelines (~50% of final grade calculation)

- There will be TWO exams for this course administered in the Testing Center.
- It is the students' responsibility to pre-register at Testing Center for the two exams in advance.
- Exam 2 is comprehensive, but more weight is placed on topics after Exam 1.
- Should a student miss an exam, it is at the instructor's discretion to allow an alternative date/time. Instructor will require documentation supporting the reason the exam was missed.

Grading

- This course features a mixture of projects, quizzes, and exams for assessing students' performance. Points for each scored category/activity are shown in the Grade Calculation table below.
- Letter grades will **NOT** be provided for each project or exam.
- Letter grades will be provided at semester-end based on the Letter Grade Scoring table below.
- Indicative midterm letter grades will be posted after Exam 1 so students are aware of their letter grade status at the mid-point of the semester. Instructor is available to discuss grades one-on-one.

Miscellaneous Course and Instructor Policies

The following guidelines and policies describe how the course will be managed. Situations and issues not covered will be resolved at the discretion of the instructor. Changes to the guidelines will be posted in syllabus updates on eLearning. Students will be notified via email when syllabus changes occur.

- **Extra Credit:** **No** extra credit projects are available.
- **Exam** grades are **NOT** curved.
- **Timing of Scoring / Timing of Score Reviews:** Scoring of projects and exams is targeted to be completed 7 days after the work was due (the Scoring Period). It is each student's responsibility to check the scores for their work. Questions about scores and requests for Score Reviews will be accepted during the Score Question Period, which is the 7 days after the scoring was scheduled to be completed. After the Score Question Period has passed, no questions will be addressed. ***If you do not see a score in eLearning for work that you believed you have turned in and for which the Scoring Period has passed, you must ask the TA or instructor about it via email during the Score Question Period or you will receive a zero.***
- **Score Reviews:** Requests for a review of a score for a project should be submitted in writing via email to the TA with a copy to the instructor. If a student is not satisfied with the TA's explanation, the student may appeal to the instructor, also via email.

Letter Grade Scoring

A+ : 97 – 100	A: 94 – 100	A- : 90 – 93
B+ : 87 – 89	B : 84 – 86	B- : 80-83
C+ : 77 – 79	C : 74 – 76	C- : 70 – 73
D+ : 67 - 69	D : 64 – 66	D- : 60 - 63
F : < 60		

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Academic Calendar (subject to change). Detailed Calendar will be provided in eLearning when the course starts

WEEK/ DATES	TOPIC/LECTURE	Assessment / Activity	Due Date
1 8/23 & 8/25	Course Overview Python/Jupyter/GitHub setup Register at Testing Center	Getting to know you & Syllabus	8/25/2021
2 8/30 & 9/1	Python Object and Data Structure Basics		
3 9/6 (HOLIDAY) & 9/8	Python Data Types	Project 1 Released	9/20/2021
4 9/13 & 9/15	Python Data Analysis / Comparison Operators		
5 9/20 & 9/22	Python Statements		
6 9/27 & 9/29	Methods and Functions	Project 2 Released	10/13/2021
7 10/4 & 10/6	Review for EXAM 1		
8 10/11 & 10/13	EXAM 1 – In Testing Center (10/11 or 10/12)		
9 10/18 & 10/20	Object Oriented Programming	Mid-semester check-in	10/20/2021
10 10/25 & 10/27	Modules and Packages Errors & Exception Handling	Project 3 Released	11/8/2021
11 11/1 & 11/3	Python Decorators/Generators		
12 11/8 & 11/10	Web Scrapping with Python Working with Images with Python	Project 4 Released	12/1/2021
13 11/15 & 11/17	Working with PDFs and CSV files Emails with Python		
14 11/22 & 11/24 HOLIDAYS	NO CLASS		
15 11/29 & 12/1	Review for EXAM 2		
16 12/9 – 12/11	EXAM 2 – Cumulative In Testing Center (12/9 to 12/11)		

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

Academic Support Resources

The information contained in the following link lists the University’s academic support resources for all students.

Please go to [Academic Support Resources](#) webpage for these policies.

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus.

Please go to [UT Dallas Syllabus Policies](#) webpage for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.