

Course Syllabus – Fall 2025



Course ITSS/OPRE 3311.501.25F
Course Title Introduction to Programming
Professor Rabih Neouchi
Term Fall 2025
Meetings Tuesdays 7:00 – 9:45pm CST, JSOM 11.210

Professor’s Contact Information

Email Address Rabih.Neouchi@utdallas.edu
Office Location JSOM 14.329
TA Manali Acharya
Email Address dal425426@utdallas.edu
Office Hours 1:00 – 2:00pm CST, Wednesdays and Fridays via MS Teams
Other Information **Please use your UTD email address to contact either the TA or the professor, and state the course and section number**

Course Modality & Expectations

Instructional Mode	<ul style="list-style-type: none"> • Attendance must be in person (face-to-face). Physical and regular classroom attendance is required and graded. • Attendance will be taken every class. • Class material will be released prior to every class. • Lectures will not be recorded.
Course Platform	eLearning Blackboard.
Asynchronous Learning	<ul style="list-style-type: none"> • Asynchronous learning is not permitted. • All assignments, exams, and team projects must be submitted, taken, and presented on time. No extensions or make-up exams. No exceptions. • Team Projects: You are responsible to join a group to work on team projects, to meet with them, and to deliver it on time. You will be held accountable at an individual level.
Expectations	<ul style="list-style-type: none"> • Physical, regular, and punctual class attendance is mandatory. • Stay quiet and avoid personal conversations during lectures. • Go over released material. Come prepared to the class. • Professor will not be able to go over every example or snippet of code in class. It is the student’s utmost responsibility to cover all aspects of the released material. • Failure to run the code and to come prepared will result in missing main concepts behind the topics of the course. • Attend lectures, play with in-class exercises, and discussion board posts. • Complete assignments, exams, and team projects on time. • You must sign-up (register) for all exams by Friday 08/29. • You must review, sign and upload the ‘Academic Pledge’ (on course homepage) before the first session of the course.

Break	The professor reserves the right to give a 10-minute break during each meeting, at the approximate half-way mark (depending on material progress). It's a good time to check your messages, use the restroom, or have a quick snack.
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General Course Information

Pre-requisites, Co-requisites, & other restrictions	No Pre-requisites are required for this course.
Course Description	This course introduces students to the fundamental concepts of programming. Students will also be introduced to the object-oriented paradigm. Topics include data types, control structures, objects, classes, iterations, functions, and arrays as they relate to developing business applications. In this course students will learn the mechanics of running, testing, and debugging programs.
Learning Outcomes	<ol style="list-style-type: none"> 1. Develop a strong foundational understanding of programming concepts, including variables, control structures, functions, and data structures, enabling you to write and understand Python code effectively. 2. Attain proficiency in the Python programming language by learning its syntax, data types, operators, and libraries, and applying this knowledge to solve real-world programming problems. 3. Develop problem-solving skills through hands-on coding exercises and projects, learning to break down complex problems into manageable steps, and implementing efficient and organized solutions using Python. 4. Learn how to build functional applications using Python, and understand object-oriented programming (OOP) principles. 5. Gain experience using Streamlit, an open-source framework for building interactive data applications, and practice the fundamentals of web API programming.
Suggested Texts, Readings, & Materials	<ul style="list-style-type: none"> • Python for Everybody (PFE) (https://www.py4e.com/book) • A Byte of Python (https://python.swaroopch.com) • Programming Python: Powerful Object-Oriented Programming 4th Edition by Mark Lutz, O'Reilly Media, 2010, ISBN: 9780596158101. • Fundamentals of Python: First Programs by Kenneth A. Lambert, Cengage Learning, 2018, ISBN: 9781337671019.
Required Software & Hardware	<ul style="list-style-type: none"> • A computer (laptop or desktop) with reasonable processing power. • Google Colab: (need to have a google account) <ul style="list-style-type: none"> ○ https://colab.research.google.com/ ○ Used for both R & Python programming • OR Alternative Software: <ul style="list-style-type: none"> ○ Visual Studio Code (R & Python): https://code.visualstudio.com/ ○ Pycharm IDE (Python): https://www.jetbrains.com/pycharm/ ○ Spyder IDE (Python): https://www.spyder-ide.org/ ○ JupyterLab (Python): https://jupyter.org/ ○ Install Python and use Jupyter Notebook via Anaconda (https://www.anaconda.com/download/). Be sure to select Python version 3.9 (or higher) • You will also need a text editor like Notepad++

Assignments & Academic Calendar (Tentative)

Date	Topic	Book Chapters	Assignment	Due Date
08/26/2025	Introduction Types, Variables	PFE – 2	Pledge Team Groups	08/26 09/08
09/02/2025	Operators Expressions	Notes PFE – 2		
09/09/2025	Branching Loops	PFE – 3 PFE – 5	Assignment 1	10/06
09/16/2025	Functions Recursion	PFE – 4 PFE – 5		
09/23/2025	Strings	PFE – 6		
09/30/2025	Lists Tuples	PFE – 8 PFE – 10		
10/07/2025	Dictionaries	PFE – 9	Assignment 2	11/03
10/14/2025	File I/O	PFE – 7		
10/15/2025		Midterm (Online, UTD Testing Center Hours*)		
10/21/2025	Regular Expressions	PFE – 11	Submit TP1, TP2 Use Case Review	
10/28/2025	Exceptions	PFE – 3		
11/04/2025	OOP – Part 1	Notes PFE – 14	TP1, TP2 Use Case Approval	
11/11/2025	OOP – Part 2	PFE – 14		
11/18/2025	API Programming (Get)		TP1 Presentation	
11/25/2025	Streamlit		TP2 Presentation	
12/02/2025	Recap & Review			
12/09/2025	No Class: Done Early!			
12/03/2025		Final (Online, UTD Testing Center Hours*)		

**** The assignments are due at 10:55pm central time (CST) on the specified date.**

**** All exams must be taken at the UTD Testing Center. An announcement will be made on the course homepage on how to register for a seat.**

**** UTD Testing Center Hours: <https://ets.utdallas.edu/testing-center>**

Course Policies

<p>Class Materials</p>	<p>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.</p>																																		
<p>Classroom Conduct Requirements Related to Public Health Measures</p>	<p>UT Dallas strongly encourages all Comets to get vaccinated and wear face coverings as recommended by the CDC. Check the Comets United: Latest Updates webpage for the latest guidance on the University's public health measures. Comets are expected to carry out Student Safety protocols in adherence to the Comet Commitment. Unvaccinated Comets will be expected to complete the Required Daily Health Screening. Those students who do not comply will be referred to the Office of Community Standards and Conduct for disciplinary action under the Student Code of Conduct – UTSP5003.</p>																																		
<p>Grading (credit) Criteria</p>	<p>Weights</p> <table border="1" data-bbox="565 877 1370 1346"> <tr> <td>Midterm Exam</td> <td>30 marks</td> <td>30%</td> </tr> <tr> <td>Final Exam</td> <td>30 marks</td> <td>30%</td> </tr> <tr> <td>Assignment 1</td> <td>10 marks</td> <td>10%</td> </tr> <tr> <td>Assignment 2</td> <td>10 marks</td> <td>10%</td> </tr> <tr> <td>Team Project 1 – TP1</td> <td>07 marks</td> <td>07%</td> </tr> <tr> <td>Team Project 2 – TP2</td> <td>08 marks</td> <td>08%</td> </tr> <tr> <td>Class Participation - Physical Attendance</td> <td>05 marks - < 10 attendances - 10 attendances - 11 attendances - 12 attendances - 13 attendances - 14 attendances - 15 attendances</td> <td>05% 0% 2.5% 3% 3.5% 4% 4.5% 5%</td> </tr> <tr> <td>Total</td> <td>100 marks</td> <td>100%</td> </tr> </table> <p>Grading Scale</p> <table border="1" data-bbox="565 1409 1370 1570"> <tr> <td>Scaled Score</td> <td>Letter Equivalent</td> </tr> <tr> <td>Top 25%</td> <td>A</td> </tr> <tr> <td>Next 25%</td> <td>A-</td> </tr> <tr> <td>Next 25%</td> <td>B+</td> </tr> <tr> <td>Next 25%</td> <td>B or below</td> </tr> </table> <p>** Grade weights are subject to change at the discretion of the professor.</p>	Midterm Exam	30 marks	30%	Final Exam	30 marks	30%	Assignment 1	10 marks	10%	Assignment 2	10 marks	10%	Team Project 1 – TP1	07 marks	07%	Team Project 2 – TP2	08 marks	08%	Class Participation - Physical Attendance	05 marks - < 10 attendances - 10 attendances - 11 attendances - 12 attendances - 13 attendances - 14 attendances - 15 attendances	05% 0% 2.5% 3% 3.5% 4% 4.5% 5%	Total	100 marks	100%	Scaled Score	Letter Equivalent	Top 25%	A	Next 25%	A-	Next 25%	B+	Next 25%	B or below
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<p>Class Attendance</p>	<ul style="list-style-type: none"> Regular and punctual physical class attendance is expected (and graded). Attendance will be taken every class. Students who fail to attend class regularly are inviting scholastic difficulty. Refer to 'Grading Criteria' above for a breakdown of class participation grade per number of lectures attended throughout the course. 																																		

Class Participation	<p>Regular and punctual class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. 5% of the final grade is assigned to class participation. This includes physical class attendance, and participation in the discussion board.</p> <p>Class participation is documented by faculty. 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.</p>
Course Evaluation	<p>Course evaluation at the end of the semester is optional. Submitting a course evaluation will result in a 1% bonus of the total final grade.</p>
Make-up Exams	<ul style="list-style-type: none"> • There are no make-up exams, no exceptions. • In case of medical emergency, a medical report (a doctor's note or relevant medical documentation) is required. • Traveling for family-related matters does not constitute a valid reason for requesting a make-up exam session. • Requests made without valid medical reasons will result in a ZERO. • Absolutely no make-up for the final exam.
Late Work	<ul style="list-style-type: none"> • Only for reasons beyond the student's control such as death in the immediate family or an emergency medical procedure. • Subject to 10% penalty for work that is up to 24 hours late. • Subject to 20% penalty for work that is 24 to 48 hours late. • ZERO credit for work that is more than 48 hours late.
Grading Policy	<p>Adherence to instructions will be considered an important part of the grade. The professor's assessment of the grades is final.</p>
Accessing Grades	<p>Students can check their grades by clicking "My Grades" on the course menu after the grade for each assessment task is released.</p>
Grading Structure	<ul style="list-style-type: none"> • Refer to 'Grading Criteria' above for a breakdown of grading structure and weight per deliverable. • All exams must be taken at the UTD Testing Center. An announcement will be made on the course homepage on how to register for a seat. • You must submit original, independent intellectual work for all academic assignments and team projects.
Classroom Citizenship	<ul style="list-style-type: none"> • Stay quiet and avoid personal conversations during lectures. • Cell phone use is not allowed during class or exam. • eLearning will be used for class content. • Slides and other class materials will be posted prior to every class. • Class announcements (news, notes or other issues) will be posted to eLearning and the discussion board. • It is the students' utmost responsibility to regularly check the announcements (announcements are typically automatically forwarded to their email accounts).
Accommodations for Disabilities	<p>If you have an accommodation form, please present it during the first two weeks of class. No retroactive accommodations will be made. If you are an official note-taker, you must present documentation of this the first two weeks of class if any accommodation will be requested.</p>
Comet Creed	<p><i>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:</i></p>

	<i>"As a Comet, I pledge honesty, integrity, and service in all that I do."</i>
Academic Integrity	<p>Academic dishonesty involves the abuse and misuse of information or people to gain an undeserved academic advantage or evaluation. Common forms include:</p> <ul style="list-style-type: none"> • Cheating – using deception in the taking of tests or the preparation of written work, using unauthorized materials, copying another person's work with or without consent, or assisting another in such activities. • Lying – falsifying, fabricating, or forging information in either written, spoken, or video presentations. • Plagiarism – using the published writings, data, interpretations, or ideas of another without proper documentation. Plagiarism includes copying and pasting material from the internet into assignments without properly citing the source of the material. • Sharing exam questions is not allowed. Any academic dishonesty incident will be referred to the dean of students for appropriate course of action. <p>Episodes of academic dishonesty are reported to the Vice President for Academic Affairs. The potential penalty for academic dishonesty includes a failing grade on a particular assignment, a failing grade for the entire course, or charges against the student with the appropriate disciplinary body.</p>
Academic Support Resources	<p><i>The information contained in the following link lists the University's academic support resources for all students.</i></p> <p>Please go to http://go.utdallas.edu/academic-support-resources.</p>
UT Dallas Syllabus Policies and Procedures	<p><i>The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please review the sections regarding the credit/no credit grading option and withdrawal from class.</i></p> <p>Please go to http://go.utdallas.edu/syllabus-policies for these policies.</p>

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