



COURSE SYLLABUS

CSIS 250 – INTRO TO PYTHON PROGRAMMING

Online

Spring 2024 1st 8 weeks, Section 8205, 4 Units

Start Date	End Date
1/29/2024	3/23/2024

Primary Instructor: Hau Nguyen

Office Location: 54-509B and Online

Office Hours: Mondays 12:30 PM – 1:30 PM

Tuesday/Thursday 8:15 PM – 10:15 PM, and by Appointment

Canvas: <https://gcccd.instructure.com/>

Primary Course Contact: Please use the Conversations (Inbox) feature in Canvas

Secondary Email (only use if no response from Canvas inbox within 24 hours):

professorhau@gmail.com

Zoom Link: See Canvas. Contact instructor to schedule time for office hours.

Hau Nguyen started his career in the software and telecommunications industry over 25 years ago. Over the past few decades, he has also worked at numerous companies and government agencies in the area of Unmanned Vehicles, Big Data, Cybersecurity, Networking, Data Centers, and Information Systems, holding various positions in engineering and management.

He has been teaching college and university courses for over 20 years in areas such as Cybersecurity, Computer Science, and Management Information Systems. Some of the courses that he has taught at Grossmont College include: Introduction to Cybersecurity; Network+ Certification; Security+ Certification; Introduction to Python Programming; Introduction to Java Programming; Intermediate C++ Programming; Assembly Language and Machine Architecture; Principles of Information Systems. He holds graduate degrees in Electrical and Computer Engineering as well as an MBA.

Secondary Instructor: Antonio Recalde

Office Hours:

Mondays: 7:00 PM – 9:00 PM Pacific Time (online), or by appointment

Canvas: <https://gcccd.instructure.com/>

Primary Course Contact: Please use the Conversations (Inbox) feature in Canvas

Secondary Contact: Email: professor.arecalde@gmail.com

Teleconferencing: Contact instructor to setup time

Antonio Recalde has over five years of professional experience in software development, working with the Python programming language. He has a Master's degree in Information Technology with a concentration in Software Engineering.

Instructors Communication Policy

- **Conversations (Inbox) via Canvas:** If you have a personal or urgent question, **please contact me first using the Conversation Inbox tool within Canvas.** You can access conversations via the Inbox link on the Global Canvas Menu. You can watch a video tutorial on how to use the Conversation Inbox tool here: <https://community.canvaslms.com/videos/1071>
- The best way to reach me is via Conversations (Inbox) in Canvas. If we have not responded to your message within 24 hours Monday through Friday or within 48 hours on the weekend, I probably did not get it, so please resend the message to my email. Messages sent on Friday evening, Saturday, or Sunday may have a slower response time.
- Students are expected to answer messages from the instructor and your fellow classmates within 24 hours, except in emergency situations.
- You are welcome to schedule online conference via Zoom if want to have an interactive Q/A session with me. Please contact me via Canvas Inbox if you would like to set up a meeting.

General Q&A Discussion Forum:

Please post general non-urgent course related questions in the General Q&A Discussion forum that can be accessed from the Discussions menu to the left. Please post questions here first, before sending me a message via Canvas Inbox. Often your classmates will have the same question that you do, so everyone will benefit from seeing the answer. Please keep in mind that posts and replies are visible to the entire class. I will reply by Monday night 11:59 PM or earlier. For urgent matters, please send me a message through Canvas Inbox.

Course Overview

Welcome to CSIS 250! We will be using the Canvas Learning Management System and zyBooks! This course will cover Chapters 1-15 of the interactive online zyBook Introduction to Python Programming e-book and more! For more information please see Canvas as well as the tentative schedule on the last page of the syllabus.

Course Description:

This is an introductory course in Python programming. Topics covered include basic language syntax, functions, control flow, looping, data types, strings, lists, dictionaries, exception handling, software tools and libraries, and functional vs object-oriented programming concepts. This course is intended for persons with a prior background in any programming language.

Recommended Preparation:

A "C" grade or higher or "Pass" in CSIS 119 or equivalent.

No Prerequisites

This course has no required prerequisites.

Course Objectives

The student will:

- a) Design and prepare programs in the Python programming language.
- b) Create functions and modules.
- c) Analyze problems for use of proper data types and logic structures.
- d) Store and manage in-memory data with lists and dictionaries.
- e) Utilize libraries to perform specialized processing.
- f) Write and read text data files with Python.
- g) Edit, compile, run and debug Python programs within an integrated set of software tools.

Student learning Outcome(s)

Upon completion of this course, students will be able to do the following:

- a) Given a problem specification, design and develop a Python program solution that successfully uses an ordered set of executable steps to successfully meet program requirements.
- b) Compile, run, test and debug object-oriented Python programs using an integrated set of software tools.

Required e-Book and Materials

Required Text: **zyBook TITLE:**

1. *CSIS 250: Intro to Python Programming*

PUBLISHER: zyBooks

zyBook ISBN: 979-8-203-26579-1

- **Best place to purchase is from within you Canvas course.**
 1. Click on the zyBooks link in Module 1: "(CLICK HERE TO REGISTER FOR zyBooks) zyBooks Assignments: Chapter 1 (Intro to Python)" in Canvas and create a zyBooks account there if you don't have one. (Do not go to the zyBooks website and create a new account).
 2. Please remember to enroll in **section 8205.**

A subscription is \$89. Students may begin subscribing on Jan 15, 2024 and the cutoff to subscribe is Mar 21, 2024. Subscriptions will last until Apr 06, 2024.

Grossmont/Cuyamaca College IT Help Desk

- <https://www.gcccd.edu/online/student/online-student-help-desk/default.html>

Canvas Technical Support

Please note that we are using Canvas for this course. If you have difficulty logging in, or experience technical difficulties, please contact the Canvas support team by calling 1-844-600-4953. They are open 24x7 for your convenience. To find out more documentation about Canvas or to ask the Canvas Community questions, see the following link: <https://community.canvaslms.com/community/answers>

zyBooks Technical Support

If there are any issues with the zyBooks digital product, please contact zyBooks first online at <https://zybooks.zendesk.com/hc/en-us/categories/360004050694-Students> or email support@zybooks.com. If they are unable to help you, then please contact me through Canvas Inbox.

Technical Requirements

- Fairly recent Mac or PC with a current operating system.
- Web browser (Chrome, Firefox, Safari)
- High-speed Internet connection.

Modules

The course is divided into modules. Each module will appear in the Modules section of the course. To get started each week, read each module and required assignments. All assignments are to be done individually unless indicated otherwise.

Discussions

The Discussion board on Canvas will be used to discuss various topics. Please read discussion board assignments carefully to ensure you get full credit.

Due Dates

You must submit your course work by the due date indicated on the Schedule of Assignments shown in Canvas. **No late work is accepted.** Some chapters may require more time to complete than others. It is your responsibility to allocate the time needed to complete your work. Do not wait until the due date to begin your work.

Evaluation

- a. Evaluation for this course will be based on multiple measures of performance including, but not limited to: Discussion and Activities, zyBooks Assignments (Participation Activities, Challenge Activities, zyLabs, Programming Assignments), Quizzes, and Final Exam.

b. Grading distribution:

Discussion and Activities	20%
zyBooks Assignments	45%
Quizzes	15%
Final Exam	20%
Total	100%

c. Grading scale:

A = 90 - 100%

B = 80 - 89%

C = 70 - 79%

D = 60 - 69%

F = 0 - 59%

Note: Plus and Minus grades may be assigned.

Late Work Policy

- Points will not be given for required coursework that is submitted past the related due date. There will be no make-up for any assignments. Late assignments will not receive credit. Make sure you complete all required course work by the assigned due dates to receive full point value.
- **There will be no make-up exams. Late work will not be accepted.**

Attendance and Drop Policy

- Please plan to be "here" online each week - turning in assignments on-time and engaging each other in discussions.
- Attendance is not considered in determining a student's grade.
- If you do not at least log into to this class's Canvas shell within 5 days of class start date, you may be dropped from the course at the discretion of the instructor.
- If you do not at least complete the Class Introductions discussion by the due date, you may be dropped from the course at the discretion of the instructor.
- If you do not at least complete the Syllabus Exercise activity by the due date, you may be dropped from the course at the discretion of the instructor.
- It is the responsibility of the student desiring to drop the course to initiate the drop themselves, BY THE PUBLISHED DROP DATE.

Tutoring

- Tutoring is available for CSIS classes. Please check out the online tutoring lab hours here:
<https://www.grossmont.edu/academics/programs/csis/lab-hours.php>

Tips for Success

- A computer with a stable Internet connection.
- Microsoft Office 365 is available free to all students with a student email account:
<https://www.microsoft.com/en-us/education/products/office>
- You can obtain your Grossmont email here: <https://www.grossmont.edu/student-services/offices-and-services/tech-resources/campus-email.aspx>
- An email address that will not change from the beginning until the end of the term.
- A "technology back-up" plan to complete assignments in case computer or Internet fails.
- Pay close attention to your due dates at the start of each content week and mark them somewhere on your own calendar so you don't lose track of them.
- Block out time in your schedule to do the work.
- Consider yourself a member of a learning community.
- Treat contributions made by other members of the class with respect.
- Have patience and a sense of humor with technology.
- Keep an open mind and be self-motivated.
- Ask for help when you need it and assist others when possible.
- Read course material carefully and ask for clarification when needed.
- If you have any questions or concerns, please don't hesitate to contact me.

Added from Grossmont College:

Grossmont College Policy on Cheating and Plagiarism:

Academic Integrity

It is the responsibility of each student to understand the actions and behaviors that constitute academic dishonesty, including plagiarism and cheating, within each class as well as other venues on campus. Students are encouraged to ask questions of instructors and are expected to read the college's statement on Academic Fraud (located in the class schedule). Penalties for actions inconsistent with classroom, library and College expectations for academic integrity range from a failing grade on an assignment, quiz, exam, paper, or project (which may lead to a failing grade in the course) to, under certain conditions, suspension, or expulsion from a class, program, or the college. For more information and/or further clarification, please consult with your instructor or contact the Student Affairs Office.

Accommodations for Students with Disabilities:

Students with disabilities who may need accommodations in this class are encouraged to notify the instructor and contact Disabled Student Programs & Services (DSPS) early in the semester so that reasonable accommodations may be implemented as soon as possible. Students may contact DSPS in person in room 60-120 or by phone (619) 644-7112 (voice). Video Phone for the Deaf [(619) 567-7712] or TTY users can call the DSPS voice number through California Relay Services.

<http://www.grossmont.edu/dsps/>

Supervised Tutoring Referral:

Students are referred to enroll in the following supervised tutoring courses if the service indicated will assist them in achieving or reinforcing the learning objectives of this course:

- IDS 198, Supervised Tutoring to receive tutoring in general computer applications in the Tech Mall
- English 198W, Supervised Tutoring for assistance in the English Writing Center (Room 70-119)
- IDS 198T, Supervised Tutoring to receive one-on-one tutoring in academic subjects in the Tutoring Center (Room 70-229, 644-7387).

To add any of these courses, students may obtain Add Codes at the Information/Registration Desk in the Tech Mall.

All Supervised Tutoring courses are non-credit/non-fee. However, when a student registers for a supervised tutoring course, and has no other classes, the student will be charged the usual health fee.

TENTATIVE SCHEDULE

Note: This syllabus and schedule is tentative and subject to change as the class progresses.

TOPICS COVERED	READING
Module 1: Introductions, Syllabus, Canvas, Class Details Chapter 1: Introduction to Python	zyBooks - Chapter 1
Module 2: Chapter 2: Variables and Expressions	zyBooks - Chapter 2
Module 3: Chapter 3: Types	zyBooks - Chapter 3
Module 4: Chapter 4: Branching	zyBooks - Chapter 4
Module 5: Chapter 5: Loops	zyBooks - Chapter 5
Module 6: Chapter 6: Functions	zyBooks - Chapter 6
Module 7: Chapter 7: Strings	zyBooks - Chapter 7
Module 8: Chapter 8: Lists and Dictionaries	zyBooks - Chapter 8
Module 9: Chapter 9: Classes	zyBooks - Chapter 9
Module 10: Chapter 10: Exceptions	zyBooks - Chapter 10
Module 11: Chapter 11: Modules	zyBooks - Chapter 11
Module 12: Chapter 12: Files	zyBooks - Chapter 12
Module 13: Chapter 13: Inheritance	zyBooks - Chapter 13
Module 14: Chapter 14: Recursion	zyBooks - Chapter 14
Module 15: Chapter 15: Plotting	zyBooks - Chapter 15
Module 16: Final Exam (zyBook Chapters 1-15; All class materials)	zyBooks - Chapters 1-15
Final Exam: Available Saturday, March 16 at 12:00AM and Due Saturday, March 23 at 11:59 PM	