

CSET 1100 INTRODUCTION TO COMPUTER SCIENCE & ENGINEERING TECHNOLOGY

Instructor: Jared Oluoch, Ph.D., Office NE 1613, Phone: 419-530-3272, Email:jared.oluoch@utoledo.edu

Office Hours: 1:30-3:30 PM, Mondays and Wednesdays, and by appointment.

Class Location: PALMER HALL 1030

Class Time: Mondays and Wednesdays - 9:30 AM to 10:45 AM

Lab Time: Tuesdays or Thursdays - 1:30 PM to 2:40 PM (Check your slot)

Lab Location: NE 1360

Teaching Assistant: Tashnim Jabir, Email:tashnimjabirshovon.chowdhury@rockets.utoledo.edu

Textbook: *Introduction to Programming Using Python*, Y. Daniel Liang, Pearson Prentice Hall. ISBN - 13: 978-0-13-274718-9; ISBN - 10: 0-13-274718-9.

Course Description: This course introduces students to python programming language. Topics covered include: fundamentals of programming, object-oriented programming, and data structures and algorithms.

Course Objectives: By the end of this course, students will be able to:

- Understand fundamental programming techniques in python.
- Understand various data types, variables, constants, assignments, expressions, operators, objects, and simple functions.
- Understand the concepts of abstraction, inheritance, and polymorphism.
- Understand the concept of modularity and software reusability.
- Understand python built-in data structures such as tuples, sets, and dictionaries.

Course Format: The course will be conducted both in class and in the lab. The course will be interactive. Students are encouraged to participate in class through discussions. A major component of the course will involve writing programs in python, debugging the programs, and applying the theory learned in class.

In addition, quizzes, two midterms, and a final exam will form part of the course. Quizzes will be assigned periodically at the instructor's discretion, and may or may not be announced. Late

submission of labs will not be accepted. Therefore, students who submit their labs after the due date will get a grade of 0. A student that misses the final exam will fail the class. There shall be no make-ups for quizzes, midterms, labs, or finals except for a medical emergency or jury duty. Students will be required to show documentation in such cases.

Attendance: Students are expected to attend classes consistent with UT attendance policy. The instructor will have the discretion to lower a student's grade based on several missed attendances.

Grading: Grades will be distributed as follows:

Quizzes: 15%

Labs: 20%

Midterm I: 20%

Midterm II: 20%

Finals: 25%

Grade Distribution:

90% - 100% A

87% - 89% A-

84% - 86% B+

80% - 83% B

77% - 79% B-

74% - 76% C+

70% - 73% C

67% - 69% C-

60% - 66% D

0% - 59% F

Academic Integrity: All students are expected to abide by The University of Toledo Policy Statement on Academic Dishonesty. Any attempt to duplicate or otherwise pass off another current or former classmate's lab assignments, or copy a classmate's quiz, midterm, finals, or pass off the work of someone else as your own will result in the following penalties: 1) on a first offense a zero in the assignment, 2) on a successive offense, a failure in the class. Either offense will result in a letter of academic dishonesty being placed in your student file. The penalty for allowing your work to be copied is the same as if you did the copying!

Academic Accommodation: The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or believe you have a disability and

would like accommodation, speak with me after class and contact the office of Student Disability Services at Rocket Hall Room 1820, Phone Number 419.530.4981. Your information will be kept confidential.

Important Dates:

- First Day of Class Monday, August 22
- Labor Day Monday, September 5
- Fall Break Monday, October 3 through Tuesday, October 4
- Thanksgiving Break Thursday, November 24 through Friday, November 25