

CSCE 3101 – Programming Language – Python (3 CH)

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Recommended Book:

Introduction to Computing Using Python by Ljubomir Perkovic

Learning Python by Mark Lutz

Course Description:

A programming language different from those studied in **CSCE 1001** and **CSCE 1101** will be presented according to the interest of both students and faculty.

Main Topics

- Fundamentals of Python.
- Selections.
- Loops.
- Functions.
- Lists , tuples, sets, dictionaries, and multidimensional lists.
- Recursion.
- Objects.
- Files.
- Web searching.
- Databases and data processing.
- Python toolkits.
- Other selected topics.

Academic integrity

Each assignment must be done individually by each student or otherwise specified. Copying of assignments, even with superficial changes, is a serious form of academic violation and will not be tolerated. Rules regarding academic integrity are strictly enforced.

Grade Distribution

- 35% Assignments
- 30% Midterm
- 30% Final Exam
- 5% Participation and/or Quizzes