Course Number: CPGM 6345

Course Title: Beginning Programming II

Course Description: Continue to build on Beginning Programming I concepts using Python.

Suggested Course Prerequisite(s): Beginning Programming I, or prior experience programming in Python. Specifically, familiarity with Python's built-in data types (including lists, tuples, and dictionaries), conditional and flow-of-control structures (including if / elif / else, for, and while), and input / output functions (including print, input, and file reading and writing).

Course Resources: Murach’s Python Programming by Michael Urban and Joel Murach Published December 2016 ISBN 978-1-890774-97-4

Student Learning Outcomes: Demonstrate Python programming concepts with OOP, Database, Recursion, Network Programming, Multi-threading, Regular Expression.

Certification Notes: N/A

Next course recommendation: Beginning Program III

Refund Policy: Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Lesson Plan – by week or session:
Session 1: Review of Python
Session 2: Debugging of Code
Session 3: List, Tuples, Dictionaries
Session 4: Numbers, Strings, Date & Time
Session 5: Recursion and Algorithm
Session 6: Multi-Threading
Session 7: Network Programming
Session 8: Database, GUI

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.