CPS-141 – Introduction to Programming Using Python Course Syllabus

Course Code:

CPS-141

Course Title:

Introduction to Programming Using Python

Course Description:

In this course; students are introduced to programming using Python. Topics include applications in informatics; accessing data on the Internet and human-computer interactions.

Prerequisites:

- Academic Reading and Writing Levels of 6; Academic Math Level 3
- Basic skills using computers including; but not limited to; using a web browser; creating; saving; and finding files on a computer.

Outcomes and Objectives:

Please refer to the CPS-141 Master Syllabus

Required Text and Materials:

Please confirm edition with WCC Website or go to the WCC Bookstore and use the Find the Course Materials feature to view the required and recommended course materials: https://washtenaw.bncollege.com/course-material/course-finder

- None – All required materials for this course are included in the course site.

Technical Requirements

Computer with Internet Access. Programs are developed in Jupyter Notebook provided by Washtenaw Community College. The course uses an online textbook at the Runestone Academy.

Course Overview and Structure:

Time Commitment

To meet the due dates on the schedule, expect to spend a minimum of 10 hours per week for this four-credit course.

Using the Videos

Each Unit in Blackboard has multiple videos. You are required to view them all since the Problem Sets, Exams, and Projects use material from the Runestone Academy textbook and the videos. Some videos contain material not included in the Runestone textbook.

Grading

Your final grade is determined by your performance on problem sets, the mid-term and final project, and the mid-term and final exams. A problem set consists of one Jupyter Notebook file that contains multiple programming problems. Instructions for

each problem are contained in the Notebook file. The number of varies but as the topics become more complex (relatively) the number of problems is reduced. The mid-term and final projects are comprehensive assignments that use the skills learned to-date. The exams consist of two parts: a concepts exam and a skills exam. A concepts exam consists of 25-50 multiple-choice questions. A skills exam is usually one or two short problems that must be implement in python.

- Grades are posted in Blackboard under My Grades.
- Grading is typically completed within a week of the assignment due date.

Problem Sets consist of multiple problems that need to be solved using Python.

*The number of Problem Sets and exams is subject to change.

Graded Items	Points Each	Number	Points Total
Problem Sets	20	12	240
Mid-term Project	40	1	40
Mid-term Concepts Exam	80	1	80
Mid-term Skills Exam	100	1	100
Final Project	75	1	80
Final Concepts Exam	100	1	100
Final Skills Exam	100	1	100
Total			**740**

Grading Rubric for Problem Sets
This rubric applies only to programs submitted as assignments

- Programs that meet all the specifications in the Problem Sets instructions and execute correctly without error receive full credit.
- Programs that meet some of the specifications in the Problem Sets instructions and produce some but not all the results specified will receive half credit.
- Programs that don't work will receive zero credit.
- Program(s) submitted as Problem Sets solution(s) that are deemed by the instructor be copies of another student's work are subject to penalty determined by a negative credit calculated as three times the point value of the Problem Set. Students supply solutions to other students are subject to the same penalty.

Late Assignments
Late assignments are NOT accepted per the course policies found in Blackboard.

Communication

Email Communication

- Please send emails from your WCC account that follow federal privacy regulations.
- Provide a clear subject line including the course ID.
- Always include your first and last name in the email message.
- Clearly identify the problem. Including screenshots and problematic code is very helpful and reduces the time to resolution.

Course Policies

- Students are expected to read the assigned topics in the Runestone Academy ebook before the next class meeting where those topics are discussed.
- All assignments and Problem Sets are due on their scheduled date. Late assignments are not accepted.
- No extensions to the due date or assignments, lab Problem Sets. Students not submitting the activity on or before the due date will receive a 0 for that activity.
- No opportunity for extra credit work is available.
- Activities such as the number or type of assignments or exams may change without prior notice to the student.
- The student must take responsibility for withdrawal from the class in the event a withdrawal is necessary.
- In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in this course are entitled to "reasonable accommodations." If any accommodations are needed for this course, please inform me and make an appointment with a counselor in the Learning Support Services @ 734-973-3342, room LA104. The counselor will verify the disability and arrange accommodations.
- At all times the student must be respectful of the instructor and other students, and not engage in any activity that is disruptive to the learning of other students in the class.
- If you have any questions about a student score or grade, please email or set a meeting with the instructor.

Academic Integrity:

Plagiarism and other forms of academic dishonesty will result in discipline according tothe WCC Student Rights & Responsibility guidelines. Always complete your own work using your own words. If you do use information, ideas, or words from other sources, credit that source using MLA or APA format.

Accommodation of Special Needs:

Learning Support Services Department provides support to students who may need accommodation for documented disabilities, or other learning need. WCC will work with you to accommodate any of your individual learning needs, however, I need to know of any requests in advance in order to make the necessary arrangements.

WCC Student Policies and Support Information:

Review the material within the Washtenaw Community College Student Policies and Support Information for additional policies and procedures that affect you and your course. Find this information [on this shared page](#).