CIS106-001 Computer Logic and Programming Technology
Spring 2026 Course Schedule
Jan 12, 2026 – April 19, 2026 (13 Weeks)

Week	Topics	Assignments	Due Date
1/15/26 Module 0 Module 1	• Understand course expectations and grading • Overview of Programming Process • Understand SDLC, IDE, Compliers, Repository, and other basic concepts	• Read syllabus • Introduction Survey • Read "Programming Fundamentals"	1/23/26
1/22/26 Module 2	• Flowcharts • Pseudocode • Explore GitHub and set up account	• Explore Flowcharts • Create Flowcharts for Assignment Set • Upload Flowchart files to GitHub	1/30/26
1/29/26 Module 3	• Variables • Input and Output • Understand how to use an IDE	• Read "Data and Operators" • Choose an IDE (Repl.IT, Spyder, etc) • Create Flowchart and Python Code	2/6/26
2/5/26 Module 4	• Sequence Logic Continued • Formatting output • More on assignment statements	• Reading "Data and Operators" • Sign up for Github (free account) • Create a repository and give vc21553@harpercollege.edu access	2/13/26
2/5/26 Module 5	• Relational conditions • Selection Logic – Basic if statement	• Read "Conditions" over next three weeks • Python Code for Assignment Set 4	2/13/26
2/12/26 Module 6	• **Martin Luther King Jr. Day – No Class** • Selection Logic – Nested if statements	• Read "Conditions" • Python Code for Assignment Set 5	3/6/26
2/26/26 Module 7	• And conditions • Or conditions • Introduction to Loops	• Read "Conditions" • Reading "Loops" • Python Code for Assignment Set 6	3/6/26
3/5/26 Module 8	• Reading Files • Loops – while • Getting Data from Keyboard	• Read "Loops" • Python Code for Assignment Set 7	3/13/26
3/12/26 Module 9	• Functions • Functions, Modules, Subprograms	• Read "Functions" • Python Code (Add to Github)	3/20/26
3/12/26 Module 10	• Functions 2 - returning one value or no values • Local Scope of variables	• Read "Functions" • Python Code for Assignment Set 10	3/20/26

Week	Topics	Assignments	Due Date
3/19/26 Module 11	• Functions 3 • Global scope of variables	• Read "Functions" • Python Code for Assignment Set 11	4/19/26
3/27/26	Spring Break	No Class (3/23 – 3/29)	
4/2/26 Module 12	Faculty Professional Development • Advanced functions – continued • For Loops	No Class • Read "Functions" • Assignment Set 11	4/19/26
4/9/26 Module 13	• Strings • More on File processing	• Read "Strings and Files" • Assignment Set 12	4/19/26
4/9/26 Module 14	• User Defined Objects – introduction	• Read "Object Oriented Programming" • Assign Set 14	4/19/26
4/16/26	**Final Project**		**4/19/26**