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Career and Technical Programs Division

Building H, Room H160

847.925.6374

CIS Department

cis@harpercollege.edu

***College Mission:** Harper College enriches its diverse communities by providing quality, affordable, and accessible education. Harper College, in collaboration with its partners, inspires the transformation of individual lives, the workforce, and society.*

CIS106-W03 Computer Logic and Programming Technology Fall 2021 Course Syllabus

General Course Information

Credit Hours: 3 credit hours

Class Dates: August 23, 2021 to December 17, 2021

Meeting Times: Optional meeting times can vary but I will make Tuesdays 6-7pm regular meeting time for office hours and review of material. I will record optional lectures sessions using Blackboard Collaborate. I am also available by appointment.

Meeting Location(s): Blackboard Collaborate (Optional), WebEx for Office Hours (Tuesday 6-7pm)

Modality: Online ANYTIME

Online Expectations:

Online ANYTIME courses are delivered 100% online, with no required face-to-face sessions or scheduled virtual class times. Classes are taught entirely online following instructor timelines and learning outcomes. Students learn content through videos, and materials posted by the instructor. Interaction takes place through discussion boards and written messages. All assignments are submitted online. Exams and orientations can all be completed virtually in this modality. Instructors may schedule optional synchronous study sessions, as necessary. These classes are denoted on the schedule with a "W" in the section number (ex. ENG 101 W01).

Last Day to Drop for 100% Refund: June 14, 2021

Last Day to Withdraw: November 22, 2021

Other Important Dates: [Academic Calendar: Harper College](#)

Instructor Information

Name: Frank Alvino

Prefer to be Addressed As: Frank

Preferred Method of Communication: email via falvino@harpercollege.edu

Phone: 630-217-7654 text or call, text preferred. Please state name and class in text.

Email: falvino@harpercollege.edu

Virtual Office Hours: Tuesdays 6pm to 7pm or by appointment.

Virtual Office Hours Location: Use Collaborate unless otherwise specified by appointment.

If by appointment we will use: Webex: <https://harpercollege.webex.com/meet/falvino>

Course Description

Course Description:

Provides students with a comprehensive introduction to computer programming using a currently popular programming language. Includes program logic, program structure, subroutines/functions/methods, variables, conditions, loops, arrays, files/data access, and object-oriented programming. A variety of programs are created throughout the course.

Prerequisites: Math placement in MTH 101 or higher.

Course Outcomes: Upon successful completion of the course, students should be able to:

- use control structures such as conditional statements and loops effectively.
- analyze simple business problems, efficiently design the steps in a computer program, code and debug (identify and correct errors) and execute programs correctly.
- be able to work with variables and subroutines/functions/methods in creating properly executing programs.
- read code, write documentation, and use a debugger.
- read programming language documentation and properly incorporate language libraries.
- understand object-oriented terminology.

Other Requirements:

This course has been designed to support the use of a variety of different programming languages to be selected by the student. Focus is on programming logic and design, with object-oriented concepts addressed toward the end of the course.

Most students choose the Python3 programming language. Students with programming experience who prefer exposure to a different programming language, such as Java, C#, or JavaScript may use that language instead. C++ at Harper College is reserved for courses in the Computer Science department (CSC prefix).

Expected Technical Skills:

The student should be comfortable with using a word processing program, Internet and basic desktop applications.

Instructional and Technological Information

Required Materials

Readings:

- [Programming Fundamentals](#) - available free
- [Wikiversity Learning Guide: Programming Fundamentals](#) - available free
- [Flowgorithm](#) - Windows program available free
- private git repository - available free from github.com or bitbucket.org
- Programming language documentation and tutorials - Available free: sololearn.com, tutorialspoint.com, and w3schools.com are recommended
- Internet access throughout the week

Technology:

- This course will use the [Blackboard](#) learning management system to facilitate coursework and virtual classroom interaction. For the best experience with Blackboard, you will need a desktop or laptop computer with access to the internet and a compatible internet browser. Please visit [Blackboard's Browser Support page](#) to see the current list of browsers and browser versions that are supported. Contact the [Student Service Desk](#) at 847-925-6866 or studentsd@harpercollege.edu if you have questions or need help installing/updating one of these browsers. Blackboard has limited functionality on mobile devices, but there is a student Blackboard App available for iOS and Android devices in the Apple App Store and Google Play. Visit the [Blackboard App website](#) for more information. You can contact the [Student Service Desk](#) at 847-925-6866 or studentsd@harpercollege.edu with any Blackboard Technical questions.
- Flowgorithm – there is a MAC version on the site in addition to Windows version.
- Word Processor i.e. Word
- Compiler or Interpreter, i.e. Repl.IT
- Code Repository, i.e. Github (recommended) or BitBucket

Other Materials of your choice:

- MS Visual Studio Community - Windows
 - [Visual Studio Community 2019 - Free IDE and Developer Tools \(microsoft.com\)](#)
- MS Visual Studio Community – MAC
 - [Download Visual Studio 2019 for Windows & Mac \(microsoft.com\)](#)
- Repl.IT – Online compiler has several languages available
 - [The collaborative browser based IDE - Replit](#)
- Flowgorithm – Tool to download for development of flowcharts. It also generates code.
 - General Information: [Flowgorithm - Flowchart Programming Language](#)
 - Windows Download - [Flowgorithm - Download](#)
 - MAC- [Flowgorithm - Download](#)

- Scroll down for link for Wine install which is compatibility layer for Windows applications.

Recommended Materials

Readings:

- There are several texts you may use as a reference. You can choose one if you think you need more material than the free texts for this course. Do a search and choose one of you think meets your needs. The material should start with the basics and go to creating user-defined objects.
- Will post reference materials on Blackboard.

Technology (recommended):

- Repl.IT – online compiler
- Use of Python3 language offered within Repl.It
- GitHub repository

Other Materials:

- Will be posted on Blackboard.

Course Assessments

Assessment Overview

Grading Criteria:

Grading Categories	Points/Percentage
1. Discussion Posts (15 @ 15 points each post)	150
2. Flowchart/Pseudocode/Logic assignments (15 @ 10 points each assignment)	150
3. Code Problem Sets (15 @ 20 points each problem set)	300
4. Midterm	100
5. Final Exam (August 1, 2021)	100
Total Points	800

Grading Scale [REQUIRED]:

Final Grade	Points	Percentage
A	800 – 720	90% – 100%
B	719 – 640	80% – 89%
C	639 – 560	70% – 79%
D	559 – 480	60% – 69%
F	479 – 0	0% – 59%

Category Descriptions

Discussion Posts:

1. You will participate in online course discussions including questions, responses, recommendations, and a summary of your key learning point or points for the week. The topic will be posted each week.
2. During two weeks you will have two posts (the first and last week).
3. Weeks start on Monday and ends Sunday evening at midnight.
4. For full participation credit, posts and contributions must be consistent with college-level writing and show in-depth analysis and understanding of the lesson material (see Discussion Post Rubric below).
5. Discussion Posts will be done in Blackboard.
6. The rubric for grading discussion posts are as follows:
 - a. Understanding of topic or question. Accurately summarize the material/lesson topics or adequately answer the question. 3 points.
 - b. Application of topic or response. How did you/would you use this material in an assignment or types of problems you can solve with this knowledge and understanding. In other words, what is the practical application of this material. 3 points.
 - c. Length of Post. 250 word minimum except for Introductory Post. 2 points.
 - d. Spelling and grammar. 2 points
 - e. Posts are due each Sunday, midnight.

Flowchart/Pseudocode/Logic assignments:

Each week you will be presented with a set of problems that represent the topics covered. The first step to solving a problem is to develop an algorithm for the solution. Algorithms are sequences of steps to solve the problem. Algorithms are represented with flowcharts and pseudocode.

Each problem set will consist of five problems in the form of a description of the problem (or problem statements). Each problem statement will indicate whether to develop a flowchart or pseudocode.

Flowcharts will be done using Flowgorithm. Although pseudocode can have a formal structure to it, we will not be following such a formal structure. Written sentences in a Word document will suffice.

We will use a naming convention for each file. Please start the file with PS for problem set, then a numerical value for the problem set, then P for problem and finally the numerical value for the problem within the problem set. For example, the first problem in problem set one would be:

PS1P1.docx, or PS1P1. Fprg (for Flowgorithm). Python code file would be PS1P1.py.

For problem set 7, problem 3 would be called PS7P3.docx or PS7P3.py.

You may add additional naming to remind yourself of what the program does. For example, problem set 6, problem 2 may be named something like P6P2MPG.docx (MPG represents miles per gallon).

Flowgorithm files and pseudocode files will be uploaded to your repository (Github). Create a repository and upload the files from your pc. You may create a new repository for each week or load all files into the same repository. I can identify them by the naming convention (recommended approach).

Examples:

I will have several examples of problems that can be used as a model for the problem assignments.

Code Problems:

After the algorithm is created in Flowgorithm or pseudocode, then use your compiler of choice (Repl.IT is recommended) and language of choice (Python3 is recommended), write the code that represents your algorithm.

Create a repository and place code in it (Github is recommended). This will entail downloading the code to your pc and uploading to Github. You may create a new repository for each week or load all files into the same repository. I can identify them by the naming convention (recommended approach).

When you have completed the assignments, enter repository link in Blackboard.

Indicate you are done with the assignments for the week by copying and pasting the link of your repository into Blackboard. Just click the upload link in Blackboard for each weekly assignment. Then click the “write submit” button. Paste your link there.

There will be two links each week. One will be for the flowcharts/pseudocode and the other is for the code. Even if the link is the same please enter it twice so I can record the separate grades for you. **Please make sure your links will not expire.**

Midterm/Final:

The midterm and final exam will be conducted on Blackboard. They will consist of true/false, multiple choice and short answers. These may consist of writing and short code segments that demonstrate your understanding of the topic.

The midterm and final exam will consist of 50 to 75 questions and timed to 2 hours.

Assessment Policies**Grading and Feedback:**

Grading and feedback will be provided within 1 week of submission or sooner depending on the class size.

Feedback will be provided in Blackboard grades. I will also send emails as well as provide feedback during office hours and other online sessions when planned.

In addition, we can work through email. If a student has a question or is having difficulty with a problem, they may send me their work, I will review and comment and send back via email. This tends to work very well in a logic and programming class.

If you are having difficulty or have a question you do not have to wait for office hours! Send through email and then we can determine if an alternate online meeting is necessary.

Late Work Policy:

Assignments will be marked lower 20% for each week late. After two weeks the assignment will not be accepted. The course moves rather quickly and staying up with the material is crucial to success.

Missed Assessment Policy:

Missed assignments after 2 weeks will receive no points.

Course Surveys (Student Opinionnaires of Instruction): Near the end of this course, you will be invited to participate in a survey. The feedback you provide is valuable to me, as your instructor, as well as Harper College. The comments you share are completely anonymous and the compiled confidential results will not be released until after final grades have been posted for the entire semester. You may access the survey through a link you will receive in your Harper College Gmail account or directly via Blackboard. Surveys are *usually* available three weeks before the last day of class. To check a survey's availability in Blackboard, select the SOI- COURSE SURVEY link in the course menu. Surveys are only visible when they are available. *Note: Course surveys are administered in Fall and Spring semesters only.*

Course Culture

In Our Course

What to Expect from Your Instructor:

I will respond to you as soon as I can. If you do not hear from me within 24 hours reach out again. If you email me first, text me after that. I get much email and I miss some at times.

I will also meet online when I can. As noted above, I we can work through email too so you do not have to wait until Office Hours.

I want you to be successful! I will do everything I can to help you. Please remember I do have other commitments too.

Also, I ask that you try the problems. Send me whatever you come up with. There is more than one way to solve these problems. When you provide me with an attempt to go on, we can have some

work to react to and discuss. It is difficult when a student does not have any work to show (after getting started of course) and we have a discussion.

In addition, please read the syllabus multiple times. Read the material on Blackboard. Students can help themselves by understanding the process of program development. It gets routine. It is documented here and on Blackboard.

I encourage students to search for answers on Blackboard, not that I do not want to answer them but because it is more efficient to find them on Blackboard. I will get questions from students that indicate they did not read the material on Blackboard.

The process will be routine each week.

Attendance:

We will not be meeting regularly online. Office hours and any other sessions will be optional. I will record sessions when possible and post on Blackboard.

You should be accessing Blackboard each week. There are links to reference materials, videos, discussion posts and assignment uploads as well as background information for each week.

Blackboard records your time. I will use that time as recorded each week on Blackboard along with a submission and/or questions/work through email to record participation in the course and course attendance. Lack of work submitted, and time recorded on Blackboard will result in discussion with your instructor. Again, I want you to be successful.

The most critical aspect on success in this course is to put in the time, struggle with the material and get help up front and not waiting until it becomes too late.

Programming is cumulative. The topics you learn one week will most likely be used in subsequent programs.

If you drop the course, do so within the last day to drop time as noted above and on HarperCollege.edu. Just stop participating without dropping the course will result in an F.

Behavioral Expectations: You can expect to have your academic performance evaluated fairly based on the standards communicated in this syllabus and any relevant program guidelines. You may utilize the [Academic Complaint process](#) if you have concerns with a decision made about your academic progress in the course. In exchange for this opportunity, you are expected to uphold the following behavioral expectations:

- Behave in accordance with the [Student Code of Conduct](#) and other applicable College policies
- Refrain from disrupting the ability of fellow students to learn or the instructor's ability to teach. Examples of disruption include:
 - Cell phone or computer use that significantly, or repeatedly, distracts others
 - Coming to class late or leaving early

- Interrupting, discussing unrelated issues in class, or speaking frequently without being called on
 - Yelling, cursing, or engaging in other aggressive behavior
- When interacting online, communicate in a respectful fashion. This includes, but is not limited to:
 - Refraining from name calling, using profanity, posting inappropriate material, and typing in all capital letters
 - Sending multiple emails with one sentence
 - Avoiding rants or discussing non-relevant topics

Open discussion and disagreement are encouraged when done respectfully and in the spirit of academic discourse. There are a variety of behaviors that, while not against a specific College rule, may create disruption in this course. Students whose behavior is disruptive or who fail to comply with the instructor may be dismissed from the class for the remainder of the class period and may be required to meet with the instructor or Dean prior to returning to the next class period. If necessary, referrals may also be made to the Student Conduct process for violations of the Student Code of Conduct.

At Our College

Academic Dishonesty [REQUIRED]: The College reserves the right to set and communicate reasonable standards of behavior. Students are expected to uphold college standards related to academic honesty. The following behaviors, as outlined in the [Student Code of Conduct](#), are considered academic dishonesty and are prohibited. Examples are provided to illustrate the specific prohibition and are not intended to be all-inclusive.

- Cheating (accessing or using unauthorized materials or information)
- Plagiarism (reproducing someone else's words or ideas without accurate acknowledgment)
- Falsifying information (providing untrue information)
- Unauthorized collaboration (getting assistance or sharing work without permission)
- Facilitating academic dishonesty (participating in an act that creates an unearned advantage for someone)

Student Code of Conduct: Harper College encourages the intellectual and personal growth of its students as scholars and as citizens. The College has both the authority and responsibility to maintain a campus community where the educational programs can flourish for all students and where individual rights, personal and collective safety, and College operations are appropriately protected. It is a choice to attend Harper College and by doing so, students assume the obligations (including standards for behavior) imposed by the College.

Harper College students and student organizations are expected to act in accordance with the policies, rules, regulations, laws, and requirements of Harper College, municipalities and counties, the State of Illinois, and the United States. The [Student Code of Conduct](#) and related information at the [Harper Student Conduct resource page](#) outlines these expectations and provides resources and reporting options for students.

Equal Opportunity Statement : Harper College does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, age, marital status, sexual orientation, disability or unfavorable discharge from military service. If you believe you have experienced discrimination or harassment (whether on or off campus) that affects your ability to participate in class or any of Harper College's programs, please seek assistance from any of the following resources:

- For gender-based or sexual misconduct (including sexual assault and sexual harassment) by any person, visit the [Harper College Title IX resource page](#) to learn more about your support and reporting options.
- For any other harassment/discrimination by an employee, contact the College's Chief Human Resources Officer at 847-925-6216.

Please be advised that faculty members are required to report to the College if they learn that a crime, harassment, or discrimination may have occurred.

Student E-mail Notifications & Privacy: All notifications related to student registration or other business activities are sent to students via their Harper College email account (XXXX@mail.harpercollege.edu) that is assigned to students upon registration. Students access this account via an icon in the student portal (where you registered for classes). Please check this e-mail frequently. To forward e-mails from this account to a personal email account please [follow these instructions](#).

Please be advised that your education records are subject to a federal privacy law called the Family Education Rights and Privacy Act (FERPA). As a result, please be aware that you (not your parent(s), spouse, or other such person) will generally need to be the one to ask questions, file complaints, or otherwise interact with the College and faculty about your academic performance in this class.

Blackboard Privacy and Accessibility Statements: Blackboard is the learning management system used at Harper College. It provides a secure Web space for delivery of instructional course materials. Blackboard's [privacy statement](#) and [accessibility statement](#) are available for review.

Copyright Statement: The materials on this course website are only for the use of students enrolled in this course for purposes associated with this course and may not be retained or further disseminated. For more information, please visit the [Harper College Copyright/Fair Use resource page](#).

Student Support Resources – Fall 2021

Student Success

Academic Advising: Students are encouraged to meet regularly with their assigned academic advisor and can schedule through the MyHarper Student Portal or by calling 847.925.6220 to learn more about options for virtual and limited in-person appointments. Students who do not have an assigned academic advisor can contact Advising Services to schedule an appointment.

- Phone: 847.925.6220

- To learn more visit: [Advising Services](#)

Access and Disability Services: Harper College strives to make all learning experiences as accessible and inclusive as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let Access and Disability Services (ADS) know immediately at 847.925.6266. ADS will privately discuss the options you have, including possible accommodations. You are encouraged to register with ADS by filling out the online application that can be found on the ADS website. Once approved by ADS, please make arrangements with your instructor as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. In-person and virtual appointments are available.

- Phone: 847.925.6266
- Email: ads@harpercollege.edu
- To learn more visit: [Access and Disability Services](#)

Military and Veteran Students: If you are a member of the military community, and are in need of accommodations for Drill schedules, calls to active duty, complications with GI Bill disbursement, and other unforeseen military and veteran related developments contact your **Academic Advisor**. For opportunities to connect, participate in activities and workshops with other Veteran and Military Connected Students (spouse, parent, sibling) contact us below.

- Phone: 847.925.6555
- Email: jmolina@harpercollege.edu
- Follow us on Instagram: [@Harpercollegesva](#)

OneStop: The OneStop is available by phone, email, or chat to help with registering for classes, updating records, financial aid and payment plans. They can help answer your questions or point you in the right direction.

- Phone: 847.925.6170
- Email: onestop@harpercollege.edu
- To learn more visit: [One Stop](#)

Library: The Library offers various services to support students including access to resources, online research help, [curbside services](#), and technology loans. Students can request library materials for curbside pickup through their [Library account](#). Research assistance is available through [live chat](#), [email](#), and [online research appointments](#). Visit the Library website (see link below) to learn more.

- Phone: 847.925. 6584
- Email: library@harpercollege.edu
- To learn more visit: [Harper College Library](#)

Student Service Desk (Computer Help): The Student Service Desk assists all students by providing information and support for Harper Student E-mail Accounts, MyHarper Student Portal, and Blackboard.

- Phone: 847.925.6866
- Email: studentsd@harpercollege.edu

Technology Loan Request: The Harper College library now has Chromebooks, wi-fi hotspots and graphing calculators available for semester-long loans. Equipment is available through curbside pickup while supplies last. Students must be registered for the Fall 2021 semester to borrow equipment.

Students that request materials will be contacted by a Harper College Library representative as soon as possible. Students will receive an email to agree to the loan terms and will then receive an email when their items are ready for pick up. Please do not come to campus until you receive an email that your hold is ready for pick up. Harper College Library staff are only able to be on campus during curbside hours. Thank you for your patience as we process your request. Please submit a [Library Technology Loan Request](#) to begin this process.

- Phone: 847.925.6584
- Email: semesterloantech@harpercollege.edu

Academic Support Center: The Academic Support Center offers Online Tutoring (free for all Harper students), the Anatomy Room, the Developmental Math Center, Supplemental Instruction, Success Services, Tutoring Center, and Writing Center. For appointments: 1) Log in to your MyHarper Student Portal; 2) Click on Academic Success; 3) Click on Schedule an Appointment. For drop-in tutoring: 1) Visit harpercollege.edu/academicsupport; 2) Click on Live Chat; 3) Click on link to join tutoring session.

- Phone: 847.925.6539
- Email: academicsupportcenter@harpercollege.edu
- Live Chat: harpercollege.edu/academicsupport
- To learn more and view our current schedules visit: [Academic Support Center](#)

Student Safety and Wellness

Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, mental health, alcohol or other drugs, identities, finances, etc.

If you are experiencing concerns, seeking help is a courageous thing to do for yourself and those who care about you. Please reach out for support. We offer the following resources:

Hawks Care: It can be hard to focus on school when you are worried about everyday life. Maybe you are not sure how you can pay for school, while also paying for everyday expenses or your monthly bills. Maybe you are worried about the cost of food, or if your car can reliably make it to and from campus. Maybe you don't have the supplies you need for school, like a laptop or Wi-Fi internet connection, etc. Hawks Care at Harper is here to help! A private conversation with someone who

cares can connect you to community and campus resources. Hawks Care also has limited financial support for unexpected needs.

- To learn more visit: [Hawks Care](#)
- Phone: 847-925-6393

Counseling Services: Counseling Services promotes the academic success and personal well-being of students by providing short term personal counseling and wellness support along with career and educational counseling. Services are available to currently enrolled students and are free of charge. Harper students also have free access to WellTrack, a mobile app with self-help tools and resources anytime, anywhere.

- Additional information about [WellTrack](#)
- To learn more visit: [Counseling Services](#)
- Phone: 847.925.6393

Harper Wellness: Harper College is committed to providing a campus culture and environment that strives to promote and enhance the overall wellness of its students, staff, faculty and surrounding community. Harper Wellness provides various programs, events and resources so everyone is supported and best prepared to LEARN WELL. WORK WELL. and LIVE WELL. (Please note that individual services are provided through Counseling Services)

- Phone: 847.925.6963
- To learn more visit: [Harper Wellness](#)

Community Resources: A variety of community-based resources are available to help students in need: [Community Resources for Students](#)

Harper Early Alert Team (HEAT): HEAT is a multidisciplinary campus threat assessment and behavioral intervention team that guides the campus community in effectively assessing and addressing threatening and/or concerning behaviors. HEAT strives to assist the campus in intervening with someone before their behaviors reach a critical level.

- To learn more or to report a threat: [Harper College HEAT](#)

Harper College Police: Contact the Harper College Police for emergency assistance or to report a crime.

- Phone: 847.925.6330

CIS106-W03 Computer Logic and Programming Technology Fall 2021 Course Schedule

Week	Topics/Outcomes	Class Activities	Due Dates/Assignments
Week 1 8/23	<ul style="list-style-type: none"> Course Orientation Understanding the Programming Process First attempt at programming - Sequence 	<ul style="list-style-type: none"> Read Syllabus Course Orientation Video Logic Video Reading Text Chapter 1 Sign up for Github Install Flowgorithm Sign up for Repl.IT 	<ul style="list-style-type: none"> Introductory Post Logic Assignment 1 Program Assignment 1 Discussion Post 1
Week 2 8/30	<ul style="list-style-type: none"> Sequence Logic Continued 	<ul style="list-style-type: none"> Read Text Chapter 2 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 2 Program Assignment 2 Discussion Post 2
Week 3 9/6	<ul style="list-style-type: none"> Selection Logic – Basic if statement 	<ul style="list-style-type: none"> Start Text Chapter 4 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 3 Program Assignment 3 Discussion Post 3
Week 4 9/13	<ul style="list-style-type: none"> Selection Logic – Nested if statements and compound relational conditions 	<ul style="list-style-type: none"> Read Chapter 4 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 4 Program Assignment 4 Discussion Post 4 Midterm
Week 5 9/20	<ul style="list-style-type: none"> Loops - while 	<ul style="list-style-type: none"> Start Chapter 5 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 5 Program Assignment 5 Discussion Post 5
Week 6 9/27	<ul style="list-style-type: none"> Loops – do/while For loop structure 	<ul style="list-style-type: none"> Read Chapter 5 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 6 Program Assignment 6 Discussion Post 6
Week 7 10/4	<ul style="list-style-type: none"> Functions – returning one value or no values Local Scope of variables 	<ul style="list-style-type: none"> Read Chapter 6 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 7 Program Assignment 7 Discussion Post 7
Week 8 10/11	<ul style="list-style-type: none"> Functions – continued Global scope of variables 	<ul style="list-style-type: none"> Read Chapter 6 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 8 Program Assignment 8 Discussion Post 8 Reflection Post
Week 9 10/18	<ul style="list-style-type: none"> Advanced functions - continued 	<ul style="list-style-type: none"> Read Chapter 6 	<ul style="list-style-type: none"> Logic Assignment 9

Week	Topics/Outcomes	Class Activities	Due Dates/Assignments
		<ul style="list-style-type: none"> View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Program Assignment 9 Discussion Post 9 Reflection Post 9
Week 10 10/25	<ul style="list-style-type: none"> Strings File processing 	<ul style="list-style-type: none"> Read Chapter 7 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 10 Program Assignment 10 Discussion Post 10 Reflection Post 10
Week 11 11/1	<ul style="list-style-type: none"> Arrays/Vectors/Lists For loops revisited List version of for 	<ul style="list-style-type: none"> Read Chapter 7 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 11 Program Assignment 11 Discussion Post 11 Reflection Post 11
Week 12 11/8	<ul style="list-style-type: none"> Arrays/Vectors/Lists Lists and functions 	<ul style="list-style-type: none"> Read Chapter 7 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 12 Program Assignment 12 Discussion Post 12 Reflection Post 12
Week 13 11/15	<ul style="list-style-type: none"> Arrays/Vectors/Lists Advanced methods and algorithms 	<ul style="list-style-type: none"> Read Chapter 7 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 13 Program Assignment 13 Discussion Post 13 Reflection Post 13
Week 14 11/22	<ul style="list-style-type: none"> User Defined Objects - introduction 	<ul style="list-style-type: none"> Read Chapter 8 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 14 Program Assignment 14 Discussion Post 14 Reflection Post 14
Week 15 11/29	<ul style="list-style-type: none"> User Defined Objects - continued 	<ul style="list-style-type: none"> Read Chapter 8 View Topic Videos View Reference Material 	<ul style="list-style-type: none"> Logic Assignment 15 Program Assignment 15 Discussion Post 15 Reflection Post 15
Week 16 12/6	<ul style="list-style-type: none"> Semester review 	<ul style="list-style-type: none"> Review for final exam 	<ul style="list-style-type: none"> Week 15 programs and assignments due 12/5
Week 17 12/17	<ul style="list-style-type: none"> Final Exam 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

CIS106-W03 Computer Logic and Programming Technology Fall 2021 Statement of Understanding

Documentation of Understanding

Syllabus Receipt

_____ I acknowledge that I have received and reviewed the course syllabus for
_____ (course ID and name), _____ (semester and year).

☐ My course meets on _____ (days) at _____ (time) in room _____.

☐ My course is online, and can be accessed at [Harper's Blackboard site](#)

Syllabus Acknowledgement

_____ I have read the syllabus (either in paper or online), and I understand the classroom policies, instructor's expectations, and rules as stated in the syllabus for this course.

_____ I understand that I am responsible to complete all homework assignments, in-class activities, and class assessments by the due dates as outlined in the syllabus.

_____ I understand that attendance and participation in all course activities is essential for my success in this course.

_____ If I have any questions or concerns, I will contact the instructor for further explanation.

Student Signature

Print/Type Name: _____

Signed: _____ **Date:** _____

(If submitted electronically, the typed name plus submission of this statement in Blackboard or to the instructor via email constitutes student signature).