

CMP 167 Programming Methods I Syllabus

Semester	Class Section	Class Hours	Room Number
Fall 2022	01LB/LC & 1HCFLB/LC	Mo & We 2:00 pm - 3:40 pm	

Instructor	Email	Office Number	Office Hours
Steven Fulakeza	Steven.fulakeza@lehman.cuny.edu	GI 232	Mo & We 12:45 pm - 1:45 pm & Mo & We 4:00 pm - 5:00 pm

Course Description: 4 hours, 3 credits <as of Spring 2019 soon to be 4 credits - confirm with bulletin>

Structured computer programming using a modern high-level programming language. Includes console I/O, data types, variables, control structures, including iteration, arrays, function definitions and calls, parameter passing, functional decomposition, and an introduction to objects. Debugging techniques.

Note: This course is for students who intend to major in Computer Science, Mathematics, Computer Graphics and Imaging, or the sciences. Some previous computer programming experience is recommended. Not intended for students in Accounting or Computer Information Systems; the technical content is the same as CIS 166 but the emphasis is different.

PREREQ: MAT 104 or placement by the Department of Mathematics and Computer Science.

Course Objectives:

- Understand and explain how computers and programs work
- Independently design, create, debug simple Java applications
- Define and use variables of various data types
- Define and use methods
- Demonstrate the use of parameters and information passing in programs
- Use libraries from the java.util package such as Scanner, Math
- Understand and manipulate Strings
- Understand and use arrays
- Understand and use control structures such as decision branching & iteration
- Understand objects
- Perform simple graphic programming GUI (time permitting advanced topic)

Grading Policy:

- Participation & Challenge Activities From Textbook: 10%
- Homework Problems: 15%
- Projects: 15%
- Midterm: 30%
- Final Exam: 30%

All your assignments: P&C, Homework and Projects are submitted through your zyBooks. All assignments have strict due dates. Late submissions are NEVER accepted.

All assignments allow for unlimited attempts to submit via zyBooks prior to the deadline.

For each assignment, the highest earned submission score will be recorded.

Expectations: Students are expected to attend the lecture and participate in the associated lab section. Students are expected to learn the material covered in the lecture, the lab, and the textbook as well as any other assigned reading or exercises. Students are expected to actively participate in the slack communication channel and regularly check for messages or announcements. Students are expected to complete homework as an essential part of the learning experience. Students should review topics from prior courses as needed using old notes and books. All work must be your own.

Honor Code: You are encouraged to discuss the overall design of programs and homework. However, all work must be your own for all programs and homework assignments. Any sources used in the completion of your assignment must be explicitly quoted. You are responsible for knowing and following Lehman's [academic integrity code](#) (available from the Undergraduate Bulletin, Graduate Bulletin, Office of Academic Standards and Evaluations, or the Smart Catalog). All incidents of cheating will be reported to the Vice President of Student Affairs.

Communication: We will be communicating with you on a regular basis throughout the semester using slack. Occasional emails will also be sent out via CUNYFirst to the email address you provided. You must check for messages on a regular basis. **There will be no acceptable excuse for missing an announcement.**

Homework: Programming problems are due most weeks. Problems will be in your online textbook. These programming problems reinforce concepts covered in class. To receive full credit for a program, it must be completed by the specified due date and the program must perform correctly as per the assignment specifications and zyBooks test cases. Late submissions are NOT accepted. Unlimited attempts to submit via zyBooks are permitted prior to the deadline. The submission with the highest grade will count as your grade for the assignment. ONLY submissions via zyBooks will be accepted and scored via the automated test cases.

Participation & Challenge Activities: Reading and interacting with the zyBooks earns you points while learning the material. Complete the assigned P&C items by the due dates specified to earn credit for your participation and keep on track with learning the required concepts.

Materials and Resources:

Textbook: <https://learn.zybooks.com> zyBook code: **CUNYCMP167Spring2021**

Technology: Access to personal computers with [Eclipse IDE](#), [JDK 8](#), [Java 8 Documentation](#)

Communication:

Join Slack Workspace Today **2021springcmp167.slack.com**

(be sure to join your lab section's channel in addition to the #general channel)

Fill in contact/email information today **bit.ly/spring2021cmp167students**

Tutoring: Departmental tutoring is available in the [MCSLC](#) in GI-222, on the 2nd floor of Gillet Hall.
site: mcslelehman.wordpress.com email: mcs.learningcenter@lehman.cuny

Computer Access: Part of this course will use university computer laboratories. These machines are for work related to this course only and a code of conduct applies to computer use in the department and on-campus. Misusing university computers could result in losing your computer access for the rest of the term, making it exceedingly difficult to complete this course.

Additional Online Resources:

Oracle Documentation: <https://docs.oracle.com/javase/tutorial>

Oracle JavaDoc: <https://docs.oracle.com/javase/8/docs/api>

GitHub Repository <https://github.com>

Interactive Book: <https://books.trinket.io/thinkjava>

Videos: [Free Java Videos](#)

Interactive Online Coding Practice:

[CodingBat code practice](#)

[Practice-It!](#)

[CodingGame](#)

[Learn Java Online](#)

[Visualize Java code execution](#)

TutorialsPoint.com/java

Accommodating Disabilities: Lehman College is committed to providing access to all programs and curricula to all students. Students with disabilities who may require accommodations are encouraged to register with the Office of Student Disability Services located in Shuster Hall, Room 238.

Telephone: 718-960-8441

Email: disability.services@lehman.cuny.edu Site: <http://www.lehman.edu/student-disability-services>