# COP 1000 Intro to Programming

**Spring 2025 (202520) Full Term**

**Jan 06 – Apr 27, 2025**

Professor:Maged Abdelrazek

Office location: Building 2 – Room 313.

Phone number: (407) 582 - 2172.

Email: mabdelrazek@valenciacollege.edu

Meeting location: Online

CRN: 22017 Credit: 3 credit hours.

**Student Engagement Hours:** *Please email me at least 24 hours prior to scheduling a zoom meeting.*

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| --- | --- |
| **Day** | **Time and Location** |
| Monday | Office – 3:45 pm to 6:45 pm |
| Tuesday | Online – 12 noon to 2:00 pm |
| Wednesday | Online – 6:00 pm to 8:00 pm |
| Thursday | Office – 11:00 am to 2:00 pm |
| Friday | Online – 8:00 am to 10:00 am |

**Course Description:**

A hands-on introduction to analyzing, designing, coding, and testing computer programs. Students will develop algorithms for problem solving with an emphasis on good programming practices. Students will use programming techniques including control structures, arrays, and subprograms to design and code basic programs using a modern computer language. Other topics include working with data, number systems, and an introduction to object-oriented and event-driven programming. This course prepares students for software development courses in programming and web development. Students with a demonstrated background in computer programming (transcript, job experience, or waiver exam) may request to have this course waived as a pre-requisite to subsequent courses through the department office.

**COURSE OUTCOMES:**

* The student will explain number systems and the internal representation of data.
* The student will be able to solve problems with simple sequence, selection, and repetition statements by using different data type variables, expressions, and flow of control.
* The student will be able to create and use arrays of data.
* The student will be able to create and call modules.

**EDUCATIONAL MATERIALS**:

**Computer Science:** A Structured Programming Approach in C

 **(eBook Version) Required**

Author: Behrouz A. Forouzan

Version: 4 Edition

ISBN: 9780357506141

**ASSESSMENT METHODS AND EVALUATION:**

 100 pts. Discussions.

 700 pts. Programming Exercises.

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 800 pts. Total

A 90 - 100.00% 720 - 800 points

B 80 - 89.99% 640 - 719 points

C 70 - 79.99% 560 - 639 points

D 60 - 69.99% 480 - 559 points

F 0 - 59.99% 0 - 479 points

Each homework assignment, test, quiz, lab, or other assignment will have a point value attached. Your grade is based on how many points you earn versus how many points are available. To calculate your grade at any time, use the Grades tool in Canvas and simply add your earned points. Then divide by the total available points and multiply by 100. Compare the resulting number to the above table to determine your grade.

**Homework and Tests**:

* Homework must be submitted on time.
* Homework due dates and times for the entire semester posted in Canvas, and your syllabus.
* All assignments are subject to a 10% grade reduction if submitted 72 hours past the due date, after that 50% grade reduction.
* No late assignment accepted during the last week.

One thing to remember about homework is ‘don’t get behind’. The importance of homework cannot be stressed enough. If you are having difficulty, **please contact me or better post on the Discussion Board**. The best way to contact me is via canvas email or call me during office hours. It is important to me that all of you succeed in this class.

**Course Requirements:**

1. Read all text assignments.

2. Submit all assignments in a timely manner via Canvas.

3. Complete exams and the assignments by the announced deadlines.

4. Maintain electronic files of all work submitted to your instructor.

**No-Show Policy**

Any student who does not attend class by the drop/refund deadline for this part of term will be withdrawn by the professor as a no-show. This will count as an attempt in the class, and students will be liable for tuition. If your plans have changed and you will not be attending this class, please drop by your Atlas account by the drop deadline.

NOTE: Just logging into the course does NOT count as attendance, sending an e-mail to the instructor regardless of the content does NOT count as attendance.

ANY ONE of these is acceptable to avoid being No Showed:

1. Submit an online assignment.
2. Participate in an online discussion about academic matters.
3. Initiate contact with me to ask a question about the academic subject studied in the course.

**CLASSROOM POLICIES ATTENDANCE**:

All assignments and tests will be conducted using Canvas classroom technology Online.

You must submit a minimum of one assignment or quiz or posting each week to meet the attendance requirement. Missing the equivalent of more than two weeks of classes for any reason, other than absences excused in accordance with Valencia’s policies or in cases of documented emergencies, is excessive and a basis for withdrawal.

It is expected that an average student will require 8 hours of work per week to be successful in this class.

**WITHDRAWAL:**

If you are considering withdrawing from this course, please contact me to discuss your circumstances, and how I can support your academic progress. To better understand the implications of how withdrawal will impact you academically and financially, I recommend that you contact your advisor (student success coach), as you consider withdrawal.

It is important to note that only you can withdraw yourself from this course; per college policy, professors and deans cannot withdraw students from a course.  The deadline for student-initiated withdrawal is <https://valenciacollege.edu/academics/calendar/documents/2024-2025-important-dates-calendar.pdf>.

Students failing to withdraw by this deadline will receive the grade earned, which will be calculated according to the grading criteria outlined in the course. Students must consult the academic calendar and adhere strictly to these deadlines.

Please keep in mind that I am responsible to report no-show attendance, at the beginning of each term, if students fail to attend during the no-show reporting period. The no-show reporting deadline for this term is <https://valenciacollege.edu/academics/calendar/documents/2024-2025-important-dates-calendar.pdf>.

**CLASSROOM POLICIES ON RECORDING LECTURES:**

As your professor, I’m committed to giving you as many opportunities and resources to support your learning as possible. Therefore, you may find it beneficial to record class lectures to review later. Please keep in mind that you do not have your peers’ permission to record them, and they have a right to privacy; your peers should not be in your recordings. You may not record class discussions, student presentations, labs, group work, and private conversations. These recordings are permitted for your own personal use; you should contact me to discuss sharing options. Note that while these recordings are useful for review, we want you to attend class for your insights and questions; these recordings are not substitutes for class participation and attendance. Should you have any concerns or questions, please feel free to contact me through Atlas email or Canvas message.

**STANDARDS OF CLASSROOM CONDUCT:**

Valencia College is dedicated to the advancement of knowledge and learning and to the development of responsible personal and social conduct. By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct as listed in 6Hx28: 8-03 and the Student Handbook. Even though Faculty manage the classroom environment, the primary responsibility for maintaining a respectful and civil learning environment rests with the students. Students who violate the Student Code of Conduct may be referred to the Dean of Student's Office for disciplinary action, which may result in a sanction up to and including expulsion. <http://valenciacollege.edu/generalcounsel/policy>

As a registered student in this class, you assume the responsibility for conducting yourself in a manner that contributes positively to Valencia’s learning community as described in the Student Code of Conduct. My role as an instructor is to facilitate academic discussions and promote critical thinking about sometimes challenging and uncomfortable facts and ideas. Your peers and instructor may share diverse ideas and viewpoints, or we may differ in our ideas and viewpoints, but we will always be respectful of other opinions as provided by the law and as expected in an academic environment. No lesson is intended to espouse, promote, advance, inculcate, compel a particular feeling, perception, viewpoint, or belief in a concept. Concepts as presented are not endorsed by the instructor but are presented as part of the larger course of instruction. Should a student feel uncomfortable with how course content is presented or discussed, please contact the instructor for further conversation.

**\*\*\*\* Continue on next page \*\*\*\***

**IMPORTANT DATES:** 

**Office of Students with Disabilities Information:**

Students with disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) form from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

* East Campus Bldg. 5, Rm. 216 Ph.: 407-582-2229 Fax: 407-582-8908 TTY: 407-582-1222
* West Campus SSB, Rm. 102 Ph.: 407-582-1523 Fax: 407-582-1326 TTY: 407-582-1222
* Osceola Campus Bldg. 1, Rm. 140A Ph.: 407-582-4167 Fax: 407-582-4804 TTY: 407-582-1222
* Winter Park Campus Bldg. 1, Rm. 212 Ph.: 407-582-6887 Fax: 407-582-6841 TTY: 407-582-1222

**Academic Honesty**:

Each student is required to follow Valencia policy regarding academic honesty. All work submitted by students is expected to be the result of the student’s individual thoughts, research, and self-expression unless the assignment specifically states, “group project.” Any act of academic dishonesty will be handled in accordance with Valencia policy as set forth in the Student Handbook and Catalog.

**COLLEGE POLICIES:** A full description of all College policies can be found in the [College Catalog](https://valenciacollege.edu/STUDENTS/catalog/index.php/). [Policy Manual](https://valenciacollege.edu/about/general-counsel/policy/), and the [Student Handbook](https://valenciacollege.edu/students/student-services/documents/student-handbook.pdf).

**Student Assistance Program:**

Valencia College is interested in making sure all our students have a rewarding and successful college experience.  To that purpose, Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home, or work.  BayCare Behavioral Health Student Assistance Program (SAP) services are free to all Valencia students and available 24 hours a day by calling (800) 878-5470. Free face-to-face counseling is also available.

**Tips for Success**

* **Perform the Browser Check on the Canvas log-in page** BEFORE beginning course work. Performing this tune-up ensures optimal performance. (Install Firefox browser for best visual display of online course.).
* **Check the course website for course email and announcements regularly.**
* **If you have a question**, post it on the course discussion board. Often a colleague will have a good answer for you.
* **Set aside specific times each week to complete class activities.** If not, your other work will expand to fill all the time you have.
* **Expect electronic glitches/power outages.** Don’t wait until the last minute to submit your work. Contact the **Canvas Help Desk** at (407-582-5600) or email onlinehelp@valenciacollege.edu.
* **Maintain back-up copies of all your coursework** on a flash drive or virtual drive.

**DISCLAIMER:**

This syllabus is an agreement between the student and the instructor. By enrolling in and then attending this course, the student agrees to and accepts the terms and conditions of this agreement. It is the responsibility of the student to carefully read this syllabus/agreement in its entirety and to adhere to all policies and procedures within the syllabus. Please retain a copy of this syllabus for your records.

Changes may be made at the discretion of the instructor.

**SCHEDULE OF CLASSES AND ASSIGNMENTS:**

**Due Date: All assignments are due on Sunday 11:59 P.M**

**Except Week 16 Due on Friday, April 25.**

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| Week  | **Modules on Canvas and Textbook** | **Assignments** |
| 01 - January 06 | Introduction – IDE Installation | Discussion |
| 02 - January 13 | Introduction to Computers | Assignment #01 |
| 03 - January 20 | Introduction to the C Language | Assignment #02 |
| 04 - January 27 | Structure of a C Program | Assignment #03 |
| 05 - February 03 | Functions | Assignment #04 |
| 06 - February 10 | Selection-Making Decision | Assignment #05 |
| 07 - February 17 | Repetition | Assignment #06 |
| 08 - February 24 | Text Input/Output | Assignment #07 |
| 09 - March 03 | Arrays | Assignment #08 |
| 10 - March 10 | Pointers | Assignment #09 |
| 11 - March 17 | Spring Break | No Class |
| 12 - March 24 | Strings | Assignment #10 |
| 13 - March 31 | Strings | Assignment #11 |
| 14 - April 07 | Enumerated, Structure, and Union | Assignment #12 |
| 15 - April 14 | Binary Input/Output | Assignment #13 |
| 16 - April 21 | Binary Input/Output | Assignment #14 |