Spring 2024 (**202420**) TWK

Intro to Programming Concepts - COP 1000C

**PROFESSOR**: Maged M. Abdelrazek

**Contact Information:**

Office location: Bldg. 02, Room 313

Office number: (407) 582 - 2172

Email: [mabdelrazek@valenciacollege.edu](mailto:mabdelrazek@valenciacollege.edu)

**Meeting places and times**:

Building 2 Room 207 – Tuesday 10:00 to 11:15 A.M.

CRN: 22156 Credit: 3 credit hours

Prerequisite(s) and Co-requisite(s): None

**Student Engagement Hours:** *The engagement hours listed in the table on the first page of the syllabus represent the times that I will be in my office, at my computer responding to messages and holding Zoom meetings. This is when we can communicate* synchronously.

**Student Engagement Hours**

|  |  |
| --- | --- |
| **Day** | **Time and Location** |
| Monday | Office – 05:00 to 07:00 PM |
| Tuesday | Office – 11.30 to 01:30 AM |
| Wednesday | Office – 05:00 to 07:00 PM |
| Thursday | Online – 11:30 to 02:30 PM |
| Friday | Online – 12 noon to 3:00 PM |

**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

ISBN: 9780357506134 - Fourth Edition – Publisher: Cengage

**ASSESSMENT METHODS AND EVALUATION:**

10 pts. Introduce Yourself

270 pts. Programming Exercises

70 pts. Final Exam

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350 pts. Total

A 90 – 100.00% 315 – 350 points

B 80 - 89.99% 280 – 314 points

C 70 - 79.99% 245 – 279 points

D 60 - 69.99% 210 – 244 points

F 0 - 59.99% 0 – 209 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 late assignments are subject to a 10% grade reduction, no exception.
* 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 yourself through 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:

Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the established deadline for a particular term will receive a grade of “W. A student is not permitted to withdraw after the withdrawal deadline 11:59 p.m. 04/05/2024. **See Important Dates for the Withdrawal Deadline for your part of term.** A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of “W”. Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of “F”. For a complete policy and procedure overview on Valencia Policy 6Hx28:4-07, please go to: [**http://catalog.valenciacollege.edu/academicpoliciesprocedures/finalexaminations/**](http://catalog.valenciacollege.edu/academicpoliciesprocedures/finalexaminations/)

NOTE:  Before choosing to withdraw, students should speak first with your professor regarding your progress in the course and with an Academic Advisor to discuss the impact of the W on your academic progress, future fees, and financial aid.

**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 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.

IMPORTANT DATES:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Full Term | H1 | TWK | H2 |
| Classes Begin | **January 8, 2024 (Monday)** | **January 8, 2024 (Monday)** | **February 12, 2024 (Monday)** | **February 29, 2024 (Monday)** |
| ***Drop/Refund Deadline by 11:59PM ET*** | **January 16, 2024** | **January 16, 2024** | **February 19, 2024** | **March 7, 2024** |
| No Show  Reporting Period | **January 18-27, 2024** | **January 18-27, 2024** | **February 20-29, 2024** | **March 8-17, 2024** |
| Graduation Application Deadline | **February 2, 2024** | **February 2, 2024** | **February 2, 2024** | **February 2, 2024** |
| ***Withdrawal***  ***Deadline by 11:59PM ET*** | **March 15, 2024** | **February 9, 2024** | **April 5, 2024** | **April 12, 2024** |
| Day/Evening  Classes End | **April 28, 2024** | **February 18, 2024** | **April 28, 2024** | **April 28, 2024** |
| Final Exams | **April 22-28, 2024** | **Last Class Meeting** | **Last Class Meeting** | **Last Class Meeting** |
| Term Ends | April 28, 2024 | February 28, 2024 | April 28, 2024 | April 28, 2024 |
| ***Grades Due by 9:00 AM ET*** | **April 29, 2024** | **April 29, 2024** | **April 29, 2024** | **April 29, 2024** |
| *College Closed (Credit classes do not meet*) | January 1, 2024 (Martin Luther King Jr.)  February 9, 2024 (Learning Day)  March 18-24 (Spring Break) |  |  |  |

**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/);

[Policy Manual](https://valenciacollege.edu/about/general-counsel/); and the [Student Handbook](https://valenciacollege.edu/students/student-development/index.php).

**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.

**NOTE TO INTERNATIONAL STUDENTS (F-1 OR J-1 VISA**):

Please be advised that withdrawal from this course due to attendance may result in the termination of your visa status if you fall below the full-time enrollment requirement of 12 credit hours. Consult the International Student Services office for more information.

**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:**

|  |  |  |
| --- | --- | --- |
| **Week** | **Modules on Canvas and Textbook** | **Assignments** |
| **01 - Feb. 12** | Visual Studio Installation  Introduction to Computers | Introduce Yourself  Assignment #01 |
| **02 - Feb. 19** | Introduction to the C Language | Assignment #02 |
| **03 - Feb. 26** | Structure of a C Program | Assignment #03 |
| **04 - Mar. 04** | Functions | Assignment #04 |
| **05 - Mar. 11** | Selection-Making Decision | Assignment #05 |
| **06 - Mar. 18** | Spring Break | No Class |
| **07 - Mar. 25** | Repetition | Assignment #06 |
| **08 - Apr. 01** | Text Input/Output | Assignment #07 |
| **09 - Apr. 08** | Arrays | Assignment #08 |
| **10 - Apr. 15** | Pointers | Assignment #09 |
| **11 – Apr. 22** | Final Exam | Friday 04/23 |