**COP 1000C ONLINE CRNS 16296 and 15602 FALL (2020100)**

# PROFESSOR:

Name: Lisa Macon, PhD

Office: 2-308

E-mail: Lmacon@valenciacollege.edu

Phone number: 407-582-1420

Office hours (also by Appointment):

**On campus in 2-308 Virtual (Email and Canvas)**

Monday 1:00 – 3:00pm Monday, Tuesday, Thursday 9:00 – 10:00pm

Tuesday 10:00 – 11:00am Friday 9:00 – 11:00am

Wednesday 1:30 – 2:30pm

Thursday 10:00 – 11:00am

# COURSE:

Name and Catalog description:

COP 1000C INTRODUCTION TO PROGRAMMING CONCEPTS

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. (Special Fee: $55.00).

CRN: 16296 or 15602

Credit: 3

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

Meeting places and times: ONLINE

# COURSE OUTCOMES:

Upon completion of the course, the following learning outcomes will be met for all students:

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

# EDUCATIONAL MATERIALS:

Text, title, edition, and author: Free Ebrary book **C Programming for the Absolute Beginner**by Davenport and Vine, Third Edition

Software: Free IDE (Visual Studios, XCode, or any other that support C programs)

# ASSESSMENT METHODS AND EVALUATION:

Calculation of final grade:

Programming Assignments: 1000 points

Discussions: 200 points

**Point total: 1200 points**

Note that there is no final exam (or any kind of exams) in this class.

Grade Scale:

A: 1080 points and above

B: 960 - 1079 points

C: 840 - 959 points

D: 720 - 839 points

F: less than 720 points

The professor reserves the right to lower grade cutoffs for all students across the board.

Borderline grades will be decided by considering the students attendance in class and participation in the online discussions.

# IMPORTANT CALENDAR DATES:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Full Term | H1 | TWJ | TWK | H2 |
| Classes Begin | Aug. 26, 2019 | Aug.26, 2019 | Aug.26, 2019 | Sept. 30, 2019 | Oct. 18, 2019 |
| Drop/Refund/No Show | Sept. 3, 2019 | Sept. 3, 2019 | Sept. 3, 2019 | Oct. 7, 2019 | Oct. 25, 2019 |
| Graduation Application Deadline | Sept. 13, 2019 | Sept. 13, 2019 | Sept. 13, 2019 | Sept. 13, 2019 | Sept. 13, 2019 |
| Withdrawal Deadline | Nov. 1, 2019 | Sept. 27, 2019 | Oct. 11, 2019 | Nov. 15, 2019 | Nov. 22, 2019 |
| Day/EveningClasses End | Dec. 8, 2019 | Oct. 17, 2019 | Nov. 3, 2019 | Dec. 15, 2019 | Dec. 15, 2019 |
| Final Exams | Dec. 9-15, 2019 | Last Class Mtg | Last Class Mtg | Last Class Mtg | Last Class Mtg |
| Term Ends | Dec. 15, 2019 | Oct. 17, 2019 | Nov. 3, 2019 | Dec. 15, 2019 | Dec. 15, 2019 |
| Classes do not meet on Monday September 2, Monday November 11, 2019, and Wednesday November 27 – December 1, 2019  |

See College calendar for important dates and final exam schedule at  [http://valenciacollege.edu/calendar](http://www.valenciacollege.edu/calendar) .

# NO-SHOW PROCEDURE:

Any student who does not complete the **Orientation Quiz** by the No-Show deadline will be withdrawn as a no-show.

# CLASSROOM POLICIES ATTENDANCE:

Students who stop turning in work will not be withdrawn and will receive zeros on any work not submitted.

Students who miss a single assignment or discussion will be removed from my recommendation list of students I would write a recommendation letter for or recommend for a scholarship or similar opportunity without possibility of reinstatement for the rest of the semester. I will post frequent announcements and send out regular reminders, so it is recommended that you log into Canvas at least once per day. If you miss vital information because you neglect to do so, that is the chance you personally decided to take. “I didn’t know… because I didn’t log in” will never be considered an acceptable excuse for any purpose.

# WITHDRAWAL:

**After the no-show reporting deadline, I will not withdraw students for any reason. If you want to withdraw, please speak to me first regarding your progress and with an Academic Advisor to discuss the impact of the W on your academic progress, future fees, and financial aid.**

**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.**

# 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.

# LATE WORK POLICY:

A student can turn in work up to one week past the deadline for a maximum of 50% credit regardless of the reason for the lateness of the assignment. After one week, no late work will be accepted. There will be no exceptions to this for any reason at all whatsoever. One late or missed assignment will also result in the student being removed from Dr. Macon's "Recommendation List" for job referrals and recommendation letters. Once you are off this list, you cannot be added back onto it for the entire semester.

**Note that this one-week 50% credit period starts one minute after the deadline. There is no grace period.**

# 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>

# ACADEMIC HONESTY:

You are taking this class to learn the basic concepts of computer programming. Obviously, if you do not do your own work, you cannot become a programmer as you won’t know the basic concepts. Therefore, all work you do must be your own. That being said, it is encouraged that you speak to your classmates regarding assignments and bounce ideas off one another. This is fine, and recommended. In spite of this, each assignment you turn in must be your own work. Companies that hire graduates, and scholarship agencies that award funding, depend on me to produce programmers who know the material well when they finish my course and I will not let them (or the future students who can benefit from these programs) down.

Students caught turning in identical assignments will both receive zeros on the assignment, regardless of who copied from who and/or why. A second offense will result in an F in the course and referral to the Dean. Please note that I have myself developed sophisticated software to check your files against each other for identical code and I have caught many, many students cheating in this way in the past. You’re much better off turning in work that isn’t perfect than cheating in this way.

Students caught turning in solutions they have downloaded from an internet site that contains libraries of programming assignments will receive an automatic F in the course and be referred to the Dean. Please note that I use software available in Canvas that checks the entire internet to see if you have plagiarized work.

Students caught posting their homework for hire on sites such as but not limited to fiverr.com will receive an automatic F and be referred to the Dean.

# COLLEGE POLICIES:

A full description of all College policies can be found in the College Catalog at <http://valenciacollege.edu/catalog/> ; Policy Manual at <http://www.valenciacollege.edu/generalcounsel/> .

# 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.

# 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

# SPECIAL RULES:

This is an online class so you are expected to have your own computing equipment and fast internet connection at home. Note that you can always use the equipment on East Campus if your computer or internet connection is not working. You will not receive an extension for these reasons so please start your work early and plan accordingly.

# DISCLAIMER:

Changes may be made at the discretion of the instructor.

# SCHEDULE OF CLASSES AND/OR LABS:

All assignments/discussions/quizzes/exams are due by 11:59 pm on the due date.

|  |  |
| --- | --- |
| **Due Date** | **Details** |
| Tue Sep 3, 2019 | Orientation Quiz and Introductions Discussion |
| Thu Sep 12, 2019 | Assignment 1SDLC Discussion |
| Thu Sep 19, 2019 | Design Tool Discussion |
| Tue Sep 24, 2019 | Assignment 2 |
| Tue Oct 1, 2019 | Number Systems Discussion |
| Thu Oct 3, 2019 | Assignment 3 |
| Thu Oct 10, 2019 | Reflection on Selection |
| Tue Oct 15, 2019 | Assignment 4 |
| Tue Oct 22, 2019 | Assignment 5 |
| Tue Oct 29, 2019 | Assignment 6 |
| Thu Oct 31, 2019 | Mixed-Type Discussion |
| Tue Nov 5, 2019 | Assignment 7 |
| Thu Nov 7, 2019 | Missing Data Types Discussion |
| Thu Nov 14, 2019 | Assignment 8 |
| Tue Nov 26, 2019 | Assignment 9 |
| Tue Dec 3, 2019 | Dream Job Discussion |
| Tue Dec 10, 2019 | Assignment 10 |
| Thu Dec 12, 2019 | Functions Discussion |