**COP 2800C ONLINE CRN 13119 FALL (202010)**

# PROFESSOR:

Name: Lisa Macon, PhD

Office: 2-308

E-mail: [Lmacon@valenciacollege.edu](mailto: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 2800C Java Programming

A hands-on course in programming with the Java language for students who have completed a course in programming concepts or have some other programming experience. Students will create Java applications with emphasis on correct object-oriented programming techniques and will become familiar with object-oriented design, including the creation of classes in Java and the use of existing classes as provided in the current version of the Java API. (Special Fee: $55.00)

CRN: 13119

Credit: 3

# Prerequisite(s) and Co-requisite(s): Grade of C or higher in COP 1000C

Meeting places and times: ONLINE

# COURSE OUTCOMES:

* The student will be able to describe the history and significance of the Java language within the context of the software industry.
* The student will be able to code a simple Java application that uses the primitive data types, arithmetic, and relational operators.
* The student will be able to implement selection and repetition constructs in Java.
* The student will be able to create and use arrays.
* The student will be able to recognize and implement code that correctly uses the object-oriented principles using Java.
* The student will be able to write code that uses classes that are organized in packages and will be familiar with the most significant packages that are part of the Java API.
* The student is able to describe and implement the concept of an interface in Java and recognize when and why to use interfaces.
* The student will be able to analyze and write code that uses the try-catch-finally construct and demonstrate when it should be used according to accepted conventions.

# EDUCATIONAL MATERIALS:

Text, title, edition, and author: Java Foundations by Todd Greanier. This is a free book in the Valencia E-brary.

Software: You will need a Java IDE. I will test all your work using Eclipse, which is available as a free download here: <https://www.eclipse.org/downloads/>

# ASSESSMENT METHODS AND EVALUATION:

Calculation of final grade 1600 points made up of the following:

340: Quizzes and weekly reflections

60: Discussions

1200: Programming Assignments

Type of final: There is no final exam in this class. The final project will be due during the final exam period.

Grade Scale:

Grades will be assigned based on the points you earn as follows:

A: 1440 points and up

B: 1280 – 1439 points

C: 1120 – 1279 points

D: 960 – 1119 points

F: less than 960 points

# IMPORTANT CALENDAR DATES:

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| --- | --- | --- | --- | --- | --- |
|  | 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/Evening  Classes 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 important concepts of computer programming. Obviously, if you do not do your own work, you cannot become a programmer as you won’t know the 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, programs that accept transfer students from Valencia, 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 work due by 11:59pm on the due date.

# SCHEDULE OF CLASSES AND/OR LABS: All assignments/quizzes/discussions due by 11:59PM on the due date.

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| --- | --- |
| **Due Date** | **Details** |
| Tue Sep 3, 2019 | Orientation Discussion  Week 1 Discussion: Introductions |
| Tue Sep 10, 2019 | HW1: Installing Eclipse |
| Thu Sep 12, 2019 | HW2: Basic IO Program |
| Tue Sep 17, 2019 | Module 1. Reflection to this point |
| Tue Sep 24, 2019 | HW 3: Beer Assignment |
| Thu Sep 26, 2019 | Module 2. Reflection to this point |
| Tue Oct 1, 2019 | Quiz: Terms and Definitions |
| Thu Oct 3, 2019 | HW 4: Methods and IO and Exceptions |
| Tue Oct 8, 2019 | Module 3. Reflection to this point |
| Tue Oct 15, 2019 | HW 5: 1D Array Assignment |
| Thu Oct 17, 2019 | Module 4. Reflection to this point |
| Tue Oct 22, 2019 | HW 6: Composite Class and UML |
| Thu Oct 24, 2019 | Module 5. Reflection to this point |
| Tue Oct 29, 2019 | HW 7: Inheritance and OOP |
| Thu Oct 31, 2019 | Module 6. Reflection to this point |
| Mon Nov 4, 2019 | Terms Check-Up Quiz |
| Tue Nov 5, 2019 | HW 8: Second Inheritance Assignment |
| Thu Nov 7, 2019 | Module 7. Reflection to this point (discussion) |
| Tue Nov 12, 2019 | HW 9: Abstract Class Assignment |
| Tue Nov 19, 2019 | HW 10: Java Interface Assignment |
| Thu Nov 21, 2019 | Module 8. Reflection to this point |
| Tue Dec 3, 2019 | HW 11: First Poly Assignment |
| Thu Dec 5, 2019 | Module 9: Reflection to this point |
| Tue Dec 10, 2019 | HW 12: Extend First Poly Assignment |
| Thu Dec 12, 2019 | Final Reflection (discussion) |