Course Syllabus
CPT 163 – JAVA Programming I
FALL 2015

I. General Information

Course Number-Section: CPT 163-27

Instructor Name: Paul Scarrone

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Office Hours: CALL/TEXT 412-559-9224 or EMAIL for APPOINTMENT

Course URL: http://wccc.blackboard.com

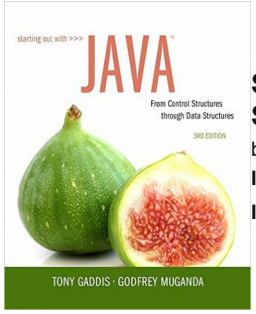
Catalog Description:

This course is a first course in JAVA. Upon completing this course, the student will be able to:

- Write clear, elementary Java programs (applets and applications)
- Use the Java interpreter to run Java applications
- Use algorithmic thinking and apply it to programming
- Use problem-solving techniques
- Read, write, and debug Java programs
- Write simple programs using object-based programming techniques including classes, objects and inheritance
- Apply S.O.L.I.D principles to class design
- Program Java for keyboard input and screen output
- Code with arithmetic, increment, decrement, assignment, relational, equality and logical operators
- Code control structures (if, if/else, switch, while, do/while, for) and use primitive data types
- Use basic graphical user interface (GUI) components including buttons and text field
- Understand and manipulate single-subscripted arrays (arrays are Java objects)
- Pass single-subscripted arrays to methods
- Process strings (strings and Java objects)

II. Required Materials

Text:



Starting Out with Java: From Control Structures through Data Structures (3rd Edition) 3rd Edition

by Tony Gaddis (Author), Godfrey Muganda (Author)

ISBN-13: 978-0134038179

ISBN-10: 0134038177

Equipment/Supplies

- PC – Windows 7 operating system or higher
- Mac – OSX 10.9 or higher
- Internet access
- GitHub Account
- WCCC email account – emails will only be sent to my.wccc.edu accounts ☒ Web browser – Mozilla Firefox, Internet Explorer, Google Chrome, Etc.

III. Reference Materials

Various computer books are available in the Learning Resource Center. The LRC also provides access to print, non-print, and electronic information resources. The Computer Resource Center, CRC, has PC's with JAVA already loaded. Student Class Files, grades, email available through my.wccc.edu and Blackboard.

IV. Course Outline

Course outline is posted on Blackboard in the Syllabus section.

V. Procedures

A. Evaluation and Grading Scheme

Project assignments will be assigned for each chapter covered. An exam will be given after each chapter covered.

Final course grade is weighted and based on total points accumulated over the semester with a breakdown as follows:

Assignments/Projects	60%
Exams	40%

B. Grading Scheme

A final letter grade will be assigned based on the following scale:

90% and up	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
Up to 59%	F

C. Exams/Quizzes

Make-ups for exams/quizzes are not permitted.

D. Assignments

Assignments are an integral part of this course and the student is expected to complete them in a timely and accurate fashion. Failure to complete assignments, having assignments partially completed or not completed properly will result in point deductions from the student's overall grade. You are responsible for all assignments and all announcements made during the course.

These will be posted in Blackboard. All assignments must be submitted via **Github**.
Assignments not received or submitted beyond the deadline will receive a grade of zero.

E. Class Participation

Although programming tends to be a solitary task, it is expected that students participate in any assigned discussions and activities. The student is responsible for all work and noting all announcements made during class.

F. Attendance

Any college class requires a time commitment from the student. You should plan to spend 6-9 hours per week outside of class time working on course material. This involves:

- Reading the assigned chapter
- Reading and reviewing material presented
- Completing assignments
- Participating in course activities

For this to be a rewarding and positive educational experience you must manage your time wisely. Develop a schedule for yourself so that you are completing course work on a regular basis. This may be at the same time and day each week, or as time permits.

G. Withdrawal Policy:

Students withdrawing from this class must complete the proper forms which are available from Student Services (fhy 130) or can be emailed to you. Be aware that there are deadlines for withdrawal. There may be a financial issue associated with your withdrawal and you are encouraged to meet with a counselor prior to completing the required withdrawal forms.

H. Plagiarism and Cheating

Plagiarism, cheating, and other forms of academic dishonesty will not be tolerated. Any student who is found to be an active participant, on either end, in any incident, will receive a grade of zero for that assignment. Repeat incidents earn an F for the course.

I. Classroom Conduct

Students enrolling at the college assume obligations to conduct themselves in a manner compatible with the college's function as an educational institution. Your attention is drawn to the WCCC Catalog and Student Handbook, in particular the sections concerning the Code of Student Conduct, Disruptive Student Behavior, and Academic Dishonesty.

VI. Students with Disabilities

If you need an accommodation due to a disability under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act, please contact the Student Development Department in Room 130 Founders Hall, 724-925-4121, TTY 724-925-4297 or hightowerd@wccc.edu. Advance notice may be necessary for some accommodations to be provided in a timely manner. Accommodations must be supported by adequate documentation and are determined on an individual basis.

VII. COURSE SCHEDULE

Note: Although the instructor may deem it appropriate to deviate from the following schedule, the basic design of the course will be:

Semester Week	Topics
Begin Java (8/20)	Bio assignment
Week 1 (08/26)	Chapter 2 – Java Fundamentals Version control with Git
Week 2 (09/02)	Chapter 3 – Decision Structures
Week 3 (09/09)	Chapter 4 – Loops Chapter 5 – Methods
Week 4 (09/16)	Chapter 5 cont. **Exam I**
Week 5 (09/23)	Chapter 6 – A First Look at Classes
Week 6 (09/30)	Chapter 12 – A First Look at GUI Applications
Week 7 (10/07)	S.O.L.I.D and Event Driven Design
Week 8 (10/14)	Chapter 7 – Arrays and the ArrayList Class
Week 9 (10/21)	Chapter 8 – A Second Look at Classes and Objects **Exam II**
Week 10 (10/28)	Chapter 8, cont.
Week 11 (11/04)	Chapter 9 – Text Processing and More about Wrapper Classes
Week 12 (11/11)	Chapter 10 – Inheritance
Week 13 (11/18)	Chapter 10, cont.
Week 14 (11/25)	No Class Thanksgiving Break
Week 15 (12/02)	Chapter 11 – Exceptions and Advanced File I/O
Week 16 (12/09)	**Final Exam Review**
	All work due 12/16 12:00 Noon.
Finals Week (12/16)	**Final Exam**

Modifications to the Syllabus: As the semester progresses modification to the syllabus may be made at the discretion of the Instructor. Additional assignments and or modifications will be applied to adapt the curriculum as needed and will be announced in class.

College Resources

If you are experiencing difficulty in this course, the following resources may prove helpful:

The college offers the following resources to all students:

Learning Resource Center – 724.925.4100 (Library)

Learning Assistance Center – 724.925.4135

Computer Resource Center – 724.925.4049

Student Advising – 724.925.4051

The Learning Assistance Center and the Computer Resource Center can offer you additional help if you are experiencing technical difficulties in this course. You can obtain more information about all of these services by calling **Student Services** at 724.925.4196.

If you are having difficulty with **Campus Connections**

Call: 724.925.4130

E-mail: ccsupport@my.wccc.edu

If you are having difficulty with **Blackboard**

Call: Toll Free 1.800.262.2103 ext. 4144

Dial Direct: 724.925.4144 or 724.925.4138

E-mail: onlinehelp@wccc.edu