*** PLEASE READ THE FOLLOWING CAREFULLY. YOU ARE REQUIRED TO CONFIRM YOUR UNDERSTANDING OF POLICIES AND PROCEDURES BY CCRI EMAIL OR YOU WILL BE DROPPED FROM THE COURSE. SEE THE NOTE AT THE END OF THE SYLLABUS.

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Office Phone: (401) 825-2155  
Office Hours: Mon, Wed: 12-2. Other times by arrangement.  
Admin Asst: Donna Scattone (dscattone@ccri.edu); (401) 825-2155  

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<td>Java-7 (Ch 7)</td>
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* These assignments cannot be submitted late
COURSE PREPAREDNESS RECOMMENDATIONS
To be successful in this course, the student should have completed Programming Concepts (COMI 1150) with a grade of C or better. In addition to Programming Concepts, it is recommended that the student have successfully taken another programming language before taking Java. Students who lack this background are encouraged to take (or retake) Programming Concepts before attempting any programming courses at CCRI and to take either Visual Basic (COMI 1520) or Game Programming (COMI 2040) before attempting Java. Students coming to CCRI from another institution should have the equivalent academic or professional programming experience. If the student is not clear about his/her preparedness to take Java, the student should discuss this with Mrs. Johnson as soon as possible.

COURSE DESCRIPTION
This course introduces the student to fundamental object-oriented programming concepts. A student of this course will learn the principles of programming, and in particular object-oriented programming principles. Programming principles and constructs, such as data types, common control flow structures, basic data structures, and console input/output will be presented. Students will also learn several key object-oriented principles, such as defining classes and methods and information hiding. We will use the Java programming language to learn and implement the basic programming and object-oriented principles described above.

COURSE OBJECTIVES
The objective of this class is to expose the student to programming in an object-oriented programming language, Java, and to increase the depth of students’ knowledge about several implementation issues. Knowing Java will be useful in the students’ jobs in IT organizations as developers or managers because it will enable them to code efficiently, communicate effectively with colleagues and understand and improve software development practices in their organizations. At the end of the course, a student completing this course will be able to:

- Solve simple problems using the fundamental syntax and semantics of the Java programming language
- Examine elementary techniques in Java programming
- Write Java programs that use selection (if, switch, conditional operator)
- Write Java programs that use loops (while, do while, for)
- Write Java programs that make use of methods for transfer of control
- Write Java programs that use arrays and the ArrayList class
- Solve programming problems using Java
- Write simple object oriented programs using objects and classes
- Develop simple Java classes including constructors and overloaded methods
- Develop simple graphical user interfaces for Java programs using components such as labels and buttons

Check the CCRI Website for Lab Hours: [http://www.ccri.edu/it/labs/](http://www.ccri.edu/it/labs/)

Grading:
- Assignments: 30%  
  - A: >= 93%  
  - A-: >= 90%  
  - C+: >= 77%
- Quizzes: 10%  
  - A: >= 93%  
  - C: >= 70%
- Midterm Exam: 30%  
  - B+: >= 87%  
  - D+: >= 67%
- Final Exam: 30%  
  - B: >= 83%  
  - D: >= 60%
  - B-: >= 80%  
  - F: < 60%

PowerPoints and Camtasia Videos: Powerpoint presentations and Camtasia videos of on-campus lectures will be available for students to review in Blackboard. There will be content covered in lecture, quizzes, and exams that is NOT covered in the text. If it's covered in a presentation/Camtasia video, students are responsible for it. All students are advised to review either the PowerPoints or Camtasia Videos (or both!) to receive the full content of this course.
Exams: Two exams will be given. Online students must come to campus for them (they will be flexibly scheduled during the weeks indicated above). Exceptions to this policy can be granted in special circumstances. The exams will be based on live-code questions. You will be expected to write code segments and to demonstrate your understanding of Java program code. Each exam is worth 30% of the student's grade.

Quizzes: There will be several quizzes. Dates and chapters covered are shown above. Watch Blackboard for modifications to this schedule. Quizzes are open book but timed. They will account for 10% of the student's grade. The lowest quiz will be dropped. Missed quizzes will not be made up. The intent of the quizzes is to discover early where the areas of misunderstanding may lie. Students will have the opportunity to review the quizzes and see the correct answers once they have been graded.

Assignments: Several assignments will be given during the course. Dates are shown above. Watch Blackboard for modifications to this schedule. They will account for 30% of the student's grade. Programs will be graded on correctness, efficiency, code organization, documentation, and style. Assignments up to 48 hours late will be penalized 10%. Only with advanced permission by the instructor will assignments more than 48 hours late be accepted. Due dates are shown above. Watch Blackboard for modifications to this schedule.

Submitting Assignments:
- Assignments must be submitted in Blackboard using the Assignment Tool.
- Students are to turn in working programs only, that is, programs that have compiled without errors, and (when running) perform at least part of tasks specified in the assignment (for partial credit).
- All source code and supporting files (including any requested screen shots) must be zipped into a single file for upload. Name the file using this convention: YourName-J#.zip (replace # with the assignment number). So, for example, the file name might be SusanWatts-J1.zip. NOTE: Blackboard will not allow uploading files whose names contain certain special characters (such as #, ', and more)
  o The only compression format accepted is .zip. Please do not submit .rar or other formats.

Programming Style and Documentation:
- Each program must start with comments stating your name and a description of the program's purpose.
- You are expected to follow the Programming Style recommendations given in class and in the text. For example (but not limited to):
  o Indent statements between braces 3 or 4 spaces
  o Indent after the first line of a statement 3 or 4 spaces
  o Align opening and closing braces
  o Use descriptive identifier naming conventions
- Failure to follow good programming practices will result in a deduction for that assignment.

Feedback on Assignments: Assignment grading will be done using a rubric where points are assigned for various requirements. In addition to receiving the completed rubric, students will also get their program returned with comments inserted to point out areas of interest. Students are advised to review both the rubric and the commented program and contact the instructor with any questions that might arise.

Getting Started Policy: Should an online student fail to log into the course website and complete the first assignment (Java-A0) by Sun, 1/26/14 that student will be dropped from this course. Should an on-campus student fail to attend class during the first week and submit the first assignment by Sun 1/26/14, that student will be dropped from this course. Should any student fail to sign and return the statement of understanding (which can be found at the end of this document) by Sun, 1/26/14, that student will be dropped from this course.

Software Requirements: In class and in the computer labs, TextPad is installed as the development environment. It can be downloaded for home use from http://www.textpad.com. It is suggested you download the version for 32-bit systems even if you are using a 64-bit system. More information can be found in Blackboard. If you have a different development environment installed on your computer, you are free to use it. But when using the CCRI computers for exams you will need to use TextPad, so everyone must become familiar with using it.
Academic Honesty Policy: All assessments (including, but not limited to homework, quizzes, and exams) are to be the result of individual effort unless otherwise specified by the instructor. Students are NOT to work together on them or to download solutions from the web. In instances where failure to comply with this policy is evident, one of the options regarding academic dishonesty given in the Student Handbook (http://www.ccri.edu/advising/new_students/student_handbook/handbook.html#dishonesty) will be applied.

Attendance Policy: Attendance at class (Mon and Wed 2-4 pm, Warwick room 2108) is optional, but highly recommended. Students registered for an online section are welcome to attend the on-campus class at any time. Students registered for the on-campus class may decide to become "online" students at any time, but should let Mrs. Johnson know of this change. The material taught is cumulative. Students taking vacations or other "time off" remain responsible for the material.

Students Requiring Accommodations: Any student with a documented disability is invited and encouraged to contact me as soon as possible so that we may work out reasonable accommodations to support your success in this course. If you have not already done so, you should also contact the Disability Services for Students Coordinator on your campus (http://www.ccri.edu/dss/index.html).

CCRI Policies: Students are responsible for following the policies set forth in the Student Handbook (http://www.ccri.edu/advising/new_students/student_handbook/) and College Catalog (http://www.ccri.edu/catalog/).

Disclaimer: This syllabus is intended to provide an overview of course requirements and expectations. It is subject to change.

Copy and paste the Statement of Understanding into a Word document. Fill in your full name and the current date. Save the document and email to kjohnson@ccri.edu

STATEMENT OF UNDERSTANDING

I have reviewed the Spring 2014 COMI-1510, Java Programming, course syllabus, including, but not limited to, the course preparedness recommendations, getting started policy, attendance policy, course grading policy and academic honesty policy.

I understand the information presented and recognize I may obtain a copy of the syllabus on the course Blackboard website throughout the semester.

________________________________________________________

STUDENT (FILL IN YOUR FULL NAME HERE)

____________________

DATE (FILL IN THE CURRENT DATE HERE)