

# *JAVA, CIS171* Syllabus

***Fall 2014***

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| **Section Number** | *CIS171* |
| **High School** | Davenport West |
| **Classroom Number** | Room 110 |
| **Days the Class Meets** | Monday – Friday |
| **Time the Class Meets** | 1:25 – 3:00 |

### Instructor Information

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| **Name** | John Brosius |
| **College Email** | [jbrosius@eicc.edu](mailto:jbrosius@eicc.edu) |
| **High School Email** | [brosiusj@davenportschools.org](mailto:brosiusj@davenportschools.org) |
| **Office Room Number** | Room 108 |
| **Office Hours or Times Available for Students** | Before and after school |
| **Voicemail Number** | (563) 386-5500x110 |

### Course Information

**Course Description:**

This course is an introductory course to the Java programming language and program design. The student will focus on creating Java applications using Applets. In the applications, students will manipulate data using methods, using decision making and repletion with reusable objects; create arrays, loops, and layout managers using external class

**Objectives and Goals:**

1. Write, compile and run a Java application utilizing escape characters.

2. Write, compile, and run an applet from Java source code utilizing images and sound.

3. Create an application that implements Java language keywords, and syntax to create statements for

declaring and storing Java data types.

4. Design an application using Java methods and classes.

5. Write code to define, instantiate classes of the java.lang, java.util, java.awt, and java.io packages.

6. Demonstrate understanding of conditions, nested if statements and conditional operators.

7. Design an application using looping structures.

8. Create an application using try and catch statements to handle exceptions.

9. Create and code an Array with Array elements.

10. Demonstrate understanding of menus by creating a menu system for a program.

**Course Prerequisites:** *Copy what is stated on the CDM.*

**Textbook(s) Required:**

* JAVA Programming, Farrell, Joyce., 8th edition, Course Technology, 2015.

**Course Requirements:**

### Grading (Evaluation): See Class Schedule for Dates

1. **Components:** 
   1. In-Class Programming. There will be individual and group work throughout the course. Programs are designed to allow the instructor to view your work.
   2. Exams. There will be exams on each chapter covered. Exams may consist of: true/false, multiple choice, and mini problems based on assigned programs. No books or notes taken from class may be used on exams unless specifically stated by the instructor.
   3. Quizzes. There will be a 20 question quiz on each chapter covered. Notes and book may be used. You may take the quiz as many times as you wish to increase your score. The highest quiz score submitted **before** the chapter test will be accepted.
   4. Final. This will consist of 100 multiple choice questions covering material presented during the quarter.
2. **Approximate Weight of Grading Components:**
   * 33% In-Class Work, Programming assignments.
   * 33% Exams and Quizes.
   * 33% Project

**Grading Policies**

**Grading Scale:**

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| A | 100 -- 93 | A- | 92-90 |
| B+ | 89 – 87% | B | 86 – 83% | B- | 82 – 80% |
| C+ | 79 – 77% | C | 76 – 73% | C- | 72 – 70% |
| D+ | 69 – 67% | D | 66 – 63% | D- | 62 – 60% |
| F | Below 60% |

**Information on Late Assignments:**

* Any **unexcused/truancy** absence will result in a zero grade for any assignment, quiz, or test.
* **I absolutely DO NOT accept late homework or partially finished work.**

**Information on the Procedure for Missed Assessments:**

* Excused Absences (per school policy) will be allowed to make up work. For every one day missed, two days are allowed for makeup work. Absences determined by Attendance Office.
* Student will take the test if in attendance on test day. If student is absent the day before the test or on test day (excused) student **must** make up the test the **next** returning day. Make appropriate plans to stay after school to make up test. A different chapter test will be administered.

**Student Information**

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| **College Website** | http://eicc.edu |
| **Midterm Date** |  |
| **Last Day to Withdraw**  If a student is not passing, he/she should withdraw from the course by contacting the class instructor who will in turn contact his/her SCC Concurrent Registration Representative so that the student can be officially withdrawn by this date. Requests made after this date will not be handled and students will automatically receive the grade earned in the class. If a student chooses not to withdraw, it is important to remember that a failed grade on a college transcript stays on a college transcript until the course is repeated and the grade is improved at the same college. *Note: Students should always consult with their high school counselors before dropping any class.* | **SCC dates:** |
| **Final Date** |  |

**Expectation of Behavior:**

* **EICC Code of Conduct and Plagiarism / Dishonesty Policy:**

To access the Student Code of Conduct go to www.eicc.edu, choose *EICC connect* and log in.

Then, choose *Student Resources*, *Student Handbook*, *Rights and Responsibilities, Code of Conduct.*

* **Technology statement:** 
  + *The Board recognized the need for our students to communicate with their families under certain circumstances while they are attending school. The District offers the use of school phones as the first means of communication if the need arises during and after school hours. We want to ensure that cell phones or other electronic devices do not interfere with classroom instruction or cause any other problems for students or staff while on District property. During the instructional day, students may not use cell phones or other electronic devices unless given written permission from the principal/assistant principal.*
  + *Under no circumstances are cell phones or other electronic devices to be used to take photos or audio/video recordings of students in locker rooms, restrooms, or other private situations at school or at District sponsored activities. It is the responsibility of the Superintendent or superintendent’s designee, in conjunction with the building principal, to develop a standard administrative regulation for this policy to provide consistency throughout the District for students.*
  + *Phones are to be turned off and out of sight during the instructional day. If a device has been confiscated the parents/guardians will be notified as such and are required to pick up the device from the school.*
* **Attendance statement:**
  + Excused Absences (per school policy) will be allowed to make up work. For every one day missed, two days are allowed for makeup work. Absences determined by Attendance Office.
  + Student will take the test if in attendance on test day. If student is absent the day before the test or on test day (excused) student **must** make up the test the **next** returning day. Make appropriate plans to stay after school to make up test. A different chapter test will be administered.
  + Any **unexcused/truancy** absence will result in a zero grade for any assignment, quiz, or test.

**Study Tips for this Course:**

* My role is to help you be successful in this class, but **your success in this class will hinge largely on self-discipline and the quality & quantity of effort you apply.**
* Students should read the textbook
* Take additional notes besides what is covered in the classroom.
* All reading assignments shall be completed prior to class. This will allow students to provide quality participation in class discussions. All assignments shall be typed, unless otherwise stated.

Student Handbook & Student Conduct. The handbook clearly defines the district’s expectation of student behavior, consequences, and due process

**College Information**

* **To Check Final Grades on Your College Transcript**:

Go to www.eicc.edu, choose *EICC connect* and log in.

Then, choose *eBridge*, *Students, Academic Profile.*

* **FERPA Information**: Scott Community College, in full compliance with the Family Educational Rights and Privacy Act of 1974, shall make educational records available to students upon request. Likewise, in accordance with the law, individually identifiable educational records will not be released to other than authorized individuals without written consent of the student. Students have the right to file complaints with the Family Educational Rights and Privacy Act (FERPA) Office concerning alleged failures by the institution to comply with the act. For more information go to www.eicc.edu, choose *EICC Connect* and log in. Then choose *Student Services*, *Student Resources*, *Student Files*, and *FERPA.*
* **ADA Information**: Anyone who feels they may need an academic accommodation based on the impact of a documented disability should contact the learning specialist on the Belmont campus at 536-441-4027 to arrange an appointment as soon as possible. At the appointment, course format, individual needs, and potential accommodations will be discussed. This service is FREE and confidential.

**Tentative Class Calendar**

Dates might change slightly throughout the semester depending on the needs of the students in the class.

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| Week | Dates | Topics | Assignment and Due Dates **of Major Requirements** |
| 1 | Chapter #1  Chapter #2 | Creating Your First Java Classes  Using Data Within a Program | Debugging Exercises, Exercises #1, #6  Exercises #1, #2, #4, #8 |
| 2 | Chapter #3 | Using Methods, Classes, and Objects | Exercises #2, #4, #7, #9 |
| 3 | Chapter #4  Chapter #5 | More Object Concepts  Making Decisions | Exercise #1  Debugging Exercises, Ex 1 |
| 4 | Chapter #5 | Making Decisions | Exercises #2, #7, #9, #12 |
| 5 | Chapter #6 | Looping | Debugging Exercises, Exercises #1, #3, #4, #7 |
| 6 | Chapter #6  Chapter #8 | Looping  Arrays | Exercises #8, #11  Exercises #1, #2, #4, #5, #17 |
| 7 | Chapter #14  Final | Advanced GUI Topics (Menus) | Exercises #1, #2 |
| 8 & 9 | Final Project | Student will create a program from what they have learned throughout the term | Must be completed one day before the final with a video 3-5 minutes long explaining the project |