

**Syllabus for CISC 3150
Object Oriented Programming
Spring 2013**

Course:

Course Title: Object Oriented Programming
Course Number: CISC 3150
Section: EW06
Lecture: in 431NE, Wednesdays, 06:30-09:10 pm

Lecturer:

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Course Objectives: In this course, we will study the fundamentals of Java object oriented programming language (OOP). The topics included are Introduction to Java, Loops and Methods, Abstract Classes, Interfaces, Object Oriented Design, UML Generics, Java Collections Framework , GUI, Exception Handling, Text and Binary I/O, Object Serialization, Multithreading and JDBC. OOP is the new way of approaching the job of programming. It is the most widely employed technique for developing robust, reusable software. Students will learn the concept of algorithm design and implementation. In addition, they will write Java codes using both console or command-line and dialog box or graphical user interface styles. Finally, students will use the Netbeans Integrated Development Environment tool to write, compile, execute, and debug their Java programs

Text: *Introduction to Java Programming, 7th Edition, Comprehensive version*
You can other editions as well. You should all have text book.

Homeworks: *Homeworks will be assigned on a regular schedule. Late homeworks will not be accepted (unless it is the result of an officially excused absence). You should submit your homeworks as print-outs.*

Exams: *There will be one midterm and a final. The final exam will be cumulative. Exam dates will be announced.*

Final Exam: *to be announced.*

Course Requirements:

<i>attendance, participation</i>	<i>%5</i>
<i>hw</i>	<i>%20</i>
<i>final</i>	<i>%40</i>
<i>midterm</i>	<i>%40</i>

Grading Scale (based on a scale) :

<i>98-100 A+</i>	<i>93-97 A</i>	<i>90-92 A-</i>
<i>88-89 B+</i>	<i>83-87 B</i>	<i>80-82 B-</i>
<i>78-79 C+</i>	<i>73-77 C</i>	<i>70-72 C-</i>
<i>68-69 D+</i>	<i>63-67 D</i>	<i>60-62 D-</i>
<i>below 60 F</i>		

Course Learning Outcomes: *Upon completion of this course, students should be able to:*

- *Demonstrate knowledge of computers basic concepts, computer programs, history of the Java programming language*
- *Understand syntax and semantics of Java*
- *Demonstrate knowledge of Java language specification, API, JDK, and IDE*
- *Write Java programs, compile, execute and debug*
- *Demonstrate knowledge of programming style and documentation*
- *Use various Java programming language constructs to create Java applications*
- *Demonstrate knowledge of algorithms Design and Implementation*

- *Use control structure constructs (selection and loops) and methods to dictate program flow*
- *Use arrays data structures*
- *Implement intermediate Java technology programming and object-oriented concepts*
- *Use Netbeans Integrated Development Environment tool to develop a Java technology application*
- *Execute a Java technology application using the command line*
- *Read and understand fundamentals Java textbooks*

Absences: *You are expected to attend every class. If you are not able to turn in a homework assignment, take a quiz, or take an exam because of an unexcused absence, you will not be able to turn the homework in late or take the quiz or exam. A University excuse from a scheduled class activity such as an exam must be presented in writing no later than two weeks prior to the date of the absence. An absence due to illness or family emergency may be excused, provided that you can supply acceptable written evidence if required, and that you notify the lecturer as soon as possible. Notification is almost always possible immediately upon occurrence of an emergency. If you're too sick to telephone, you can get a friend to do it. Failure to make such timely notification may result in denial of your request.*

Expectations: *I expect that everyone will maintain a classroom conducive to learning. Everyone is expected to behave with basic politeness, civility, and respect for others. In particular, talking in class is ok if it's part of a class discussion or with me. Private communications are not allowed, especially during quizzes and tests. Neither are reading extraneous materials, using electronic equipment, or sleeping.*

Suggestions: *Suggestions for improvement are welcome at any time. Any concern about the course should be brought first to my attention.*

Academic Integrity: *I adhere rigorously to the Brooklyn College policy on academic integrity. Students who cheat on quizzes or exams or who plagiarize material for papers will be reported to the Undergraduate Academic Integrity Official and will fail.*

The faculty and administration of Brooklyn College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating

and plagiarism and for avoiding both. The complete text of the CUNY Academic Integrity Policy and the Brooklyn College procedure for implementing that policy can be found at this site: <http://www.brooklyn.cuny.edu/bc/policies>. If a faculty member suspects a violation of academic integrity and, upon investigation, confirms that violation, or if the student admits the violation, the faculty member **MUST** report the violation.

Policy on Non-attendance for Religious Reasons: Brooklyn College adheres to the New York State policy on non-attendance for religious reasons. If you must miss a class for religious observance, you should let the professor know a reasonable amount of time in advance to allow for an appropriate make-up opportunity. Make-up opportunities may be scheduled before the absence.

Students with Disability:

In order to receive disability-related academic accommodations students must first be registered with the Center for Student Disability Services. Students who have a documented disability or suspect they may have a disability are invited to set up an appointment with the Director of the Center for Student Disability Services, Ms. Valerie Stewart-Lovell at 718-951-5538. If you have already registered with the Center for Student Disability Services please provide your professor with the course accommodation form and discuss your specific accommodation with him/her.