

**Department of Computer & Electrical Engineering  
and Computer Science  
Florida Atlantic University  
Course Syllabus**

<b>1. Course title/number, number of credit hours</b>	
Java Programming COT 4930	3 credit hours
<b>2. Course prerequisites, corequisites, and where the course fits in the program of study</b>	
Prerequisites: COP3014: Foundations of Computer Science (or equivalent or permission of Instructor) Corequisite: MAD2104: Discrete Math (or equivalent or permission of Instructor)	
<b>3. Course logistics</b>	
Term: Spring 2018 Class location and time: FL 401, Tuesdays and Thursdays: 12:30 to 01:50.	
<b>4. Instructor contact information</b>	
<i>Instructor's name</i>	Mehrdad Nojournian
<i>Office address</i>	EE96, Room 503A
<i>Office Hours</i>	Tuesdays and Thursdays: 10:00 ~ 12:00
<i>Contact telephone number</i>	561.297.3411
<i>Email address</i>	<a href="mailto:mnojournian@fau.edu">mnojournian@fau.edu</a>
<b>5. TA contact information</b>	
<i>TA's name</i>	Corey Park
<i>Office address</i>	EE96, Room TBD
<i>Office Hours</i>	Wednesdays and Fridays: TBD
<i>Contact telephone number</i>	
<i>Email address</i>	<a href="mailto:cpark7@my.fau.edu">cpark7@my.fau.edu</a>
<b>6. Course description</b>	
This course is a Java programming class with an introduction to problem solving and programming. The course will cover introductory and advanced topics in Java, including but not limited to, flow of control, classes, methods, arrays, strings, inheritance, polymorphism, interfaces, algorithms, and data structures.	
<b>7. Course objectives/student learning outcomes/program outcomes</b>	
<i>Course objectives</i>	The primary objective of this course is to provide an advanced understanding of Java programming. Including object-oriented concepts (inheritance, polymorphism, etc), and algorithms/data structures in Java.
<i>Student learning outcomes &amp; relationship to ABET a-k objectives</i>	1. Proficiency in the areas of software design and development, data structures, and operating systems 2. An ability to plan and execute engineering design to meet an identified need.
<b>8. Course evaluation method</b>	
Subject to changes: Participation: Bonus up to 5% Homework: 30% Exams: 70%	Note: The minimum grade required to pass the course is C.

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<b>9. Course grading scale</b>
Grading Scale: 90 and above: "A", 87-89: "A-", 83-86: "B+", 80-82: "B", 77-79: "B-", 73-76: "C+", 70-72: "C", 67-69: "C-", 63-66: "D+", 60-62: "D", 51-59: "D-", 50 and below: "F."
<b>10. Policy on makeup tests, late work, and incompletes</b>
All assignments are due at 11:59 pm on the due date. Late assignments will lose 10% of the total points for each day they are late and they will not be accepted after three days. However, appropriate accommodations will be made for students having a valid medical excuse. Unless there exists an evidence of medical or emergency situation, incomplete grades will not be given. Plagiarism will not be tolerated. Any copying and pasting without attribution and a reference will be considered plagiarism.
<b>11. Special course requirements</b>
N/A
<b>12. Classroom etiquette policy</b>
University policy requires that in order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular phones and laptops, are to be disabled in class sessions.
<b>13. Disability policy statement</b>
In compliance with the Americans with Disabilities Act, students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton campus, SU 133 (561) 297-3880 and follow all OSD procedures.
<b>14. Honor code policy</b>
Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and place high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. See University Regulation 4.001 at <a href="http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf">http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf</a>
<b>15. Required texts/reading</b>
Java: An Introduction to Problem Solving and Programming" by Walter Savitch, 6 <sup>th</sup> edition, Prentice Hall.
<b>16. Supplementary/recommended readings</b>
TBD

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**17. Course topical outline, including dates for exams/quizzes, papers, completion of reading**

Subject to Changes:

Introduction to Computers and Java

Basic Computation

Flow of Control: Branching

Flow of Control: Loops

Defining Classes and Methods

More About Objects and Methods

Arrays and Strings

Inheritance, Polymorphism and Interfaces

Advanced Topics on Algorithms

Advanced Topics on Data Structures