

**CSC262 – Programming in Java**

**Instructor:**

**Office Hours:**

**Contact Email:**

**REQUIRED TEXTBOOKS:**

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|  | Cay Horstmann. (2017). Big Java Late Objects (2ndEdition).  Wiley. |
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**Course Prerequisites:** MTH215

**Course Description:**

The course introduces the Java programming language and its features. Topics include introduction to programming control structures, functions, arrays, and string objects. Coverage of exception handling and processing text files.

Book resources:

<https://bcs.wiley.com/he-bcs/Books?action=index&itemId=1119321077&bcsId=10406>

**Course Learning Outcomes (CLOs):** Upon successful completion of this course, the student will be able to:

1. Use Java’s control structures (sequence, conditional and loop controls)
2. Use Java built-in function functions
3. Define and invoke functions in programs
4. Understand and utilize Java string object and its methods
5. Understand array structures and utilize in problem solving and programming
6. Explain and apply Java exception handling and related objects
7. Write Java programs that reads from and writes to files

**Program Learning Outcomes (PLOs): Those highlighted in blue are relevant to this course.**

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program’s discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

**Course Specific Expectations:**

* Have access to the assigned textbook on or before the first day of class.
* Complete readings **by or *before*** the specified dates on the course schedule and attend classes regularly.
* Turn in all assignments on time and complete exams and quizzes (if any) as scheduled.
* Remain engaged with the course content and your instructor.
* Exams will cover all class material, including lectures, videos, textbooks and assignments.
* Notify your professor immediately if you have any issues with the course content or assignments. Understand that failure to submit any assignment by the due date could result in a loss of points unless you have instructor permission for late submission PRIOR to the due date.

**Course Schedule**

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| **Weeks** | **Topic** | **Homework/Quizzes/Tests** |
| **Week 1** | Ch. 1 - Introduction to Java  Ch. 2 – Fundamental Data Types in Java | **Homework 1**: due on Sunday by midnight.  **Quiz on chapters 1** due by Thursdays midnight  **Quiz on Chapter 2** due by Sunday Midnight  **A Plagiarism note**: All work must be done independently. Any evidence of cheating will result in a grade of zero. |
| **Week 2** | Ch. 3 - Decisions  Ch. 4 – Loops: Sections 4.1, 4.2, and 4.3 (inclusive) | **Homework 2**: due on Sunday by midnight.  **Quiz 1 on Chapter 3** due by Thursday midnight.  **Quiz 2 on Chapter 4.1,4.2, 4.3** due by Sunday Midnight  **Midterm** will be on Sunday on Chapters 1, 2, 3, 4.1, 4.2, 4.3  **A Plagiarism note**: All work must be done independently. Any evidence of cheating will result in a grade of zero. |
| **Midterm**  Covering materials on chapters 1, 2, 3, 4.1, 4.2, 4.3 | | |
| **Week 3** | Ch. 4. Loops  Ch. 5 - Methods | **Homework 3**: due on Sunday by midnight.  **Quiz 1 on chapter 4** due on Thursday by midnight.  **Quiz 2 on Chapter 5** due by Sunday Midnight  **A Plagiarism note**: All work must be done independently. Any evidence of cheating will result in a grade of zero. |
| **Week 4** | Ch. 6 – Arrays and Arrays Lists  Ch. 7 – Input/Output and Exception handling | **Homework 4**: due on Saturday by midnight.  **Quiz 1 on chapters 6** due on Thursday by Midnight  **Quiz 2 on chapter 7** due by Saturdays Midnight  **A Plagiarism note**: All work must be done independently. Any evidence of cheating will result in a grade of zero.  **The final is on Saturday. Course ends on Saturday.** |
| **Final**  3.0 Hours Final Exam comprehensive | | |

**Grading Information:**

The Final Grade will be based on points as follows:

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| --- | --- |
| **Activity** | **points** |
| Assignments (100 points per week) | 400 |
| Discussions (25 points per week) | 100 |
| Quizzes (50 points per week) | 200 |
| Midterm | 150 |
| Final | 150 |
| **TOTAL:** | 1000 |

**COURSE REQUIREMENTS:** Students are responsible for all material in the reading assignments, power point presentations, and all material within each course week.

**Weekly Reading**: Read all chapters assigned in each week. The PowerPoint slides and LinkedIn videos are supplementary resources.

**Assignments:**

There will be weekly homework assignments given throughout the course. Details of each assignment are posted in Brightspace. As course material is cumulative, to successfully complete an assignment in a certain week, you may need to use concepts and techniques taught in the previous weeks.

**Exams and Quizzes:**

Weekly quizzes are assigned to ensure your timely progress through the course material and provide a quick assessment of your skills. Quiz questions are taken from the assigned textbook; therefore, it is highly recommended that you completely and carefully read through the assigned sections of your textbook (perhaps multiple times) and then take the quizzes on Brightspace. Exams are open-book and open Internet (unless restricted by the instructor). Exams and quizzes are to be done solely by the student, with no assistance from any other person. All students must take all exams on the scheduled dates. Cheating will result in a grade of zero to all involved.

**Late Policy:**

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| Assignments/Projects | * Weeks 1, 2, & 3 late assignments accepted within 24 hours of the due date with a late deduction of 25%. * Any assignment submitted after 24 hours will be accepted with a late deduction of 50%   *No late assignments/projects accepted in Week 4 without prior written approval from the professor* |
| Exams/Quizzes | No late exams/quizzes accepted without prior written approval from the professor |

**Course Grading Definition:**

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| --- | --- | --- | --- |
| **Final Letter Grade:** | | |  |
| **Grade** | **Percentage (%)** | **Point Range** |  |
| A | 96.00 to 100.00 | 4.0 |
| A- | 90.00 to 95.99 | 3.7 |
| B+ | 87.00 to 89.99 | 3.3 |
| B | 84.00 to 86.99 | 3.0 |
| B- | 80.00 to 83.99 | 2.7 |
| C+ | 77.00 to79.99 | 2.3 |
| C | 74.00 to 76.99 | 2.0 |
| C- | 70.00 to 73.99 | 1.7 |
| D+ | 67.00 to 69.99 | 1.3 |
| D | 64.00 to 66.99 | 1.0 |
| D- | 60.00 to 63.99 | 0.7 |
| F | 59.99 and below | 0 |  |

**Professionalism and Student Conduct:**

Students are expected to perform in a scholarly and professional manner.

* Cordial and respectful interaction/communications with fellow students and instructors.
* Be respectful of student and instructor time and resources, resisting monopolizing class resources and learning to seek self-directed solutions to problems and need for remediation.
* Taking responsibility for undergraduate level work, refraining from attempting to influence the grading process and accepting that late work, not following directions, and not performing at an undergraduate level are clearly grade point issues.
* Respecting timelines and discussions.

**Expected Workload:**

Students should realize that they are expected to perform at a full time equivalent. (4.5 Credits = 45 contact hours per month). Students should estimate between 20 – 25 additional hours per week for reading, research, assignments, and exam preparation.

**Plagiarism**

Plagiarism is the presentation of someone else's ideas or work as one's own. Students must give credit for any information that is not either the result of original research or common knowledge. If a student borrows ideas or information from another author, he/she must acknowledge the author in the body of the text and on the reference page. Students found plagiarizing are subject to the penalties outlined in the Policies and Procedures section of the University Catalog, which may include a failing grade for the work in question or for the entire course.

### NATIONAL UNIVERSITY SERVICES

National University provides all students with facilities to assist them in the completion of their course work. In particular the Writing Centers and NU Library provide access to materials and services in the area of academic writing, research and information literacy.

**Writing Across the Curriculum:**  
Students are expected to demonstrate writing skills in describing, analyzing and evaluating ideas and experiences. Written reports and research papers must follow specific standards regarding citations of an author's work within the text and references at the end of the paper. Students are encouraged to use the services of the University's Writing Center when preparing materials. The following website provides information on APA, MLA, and other writing and citation styles that may be required for term papers and the like: <http://www.nu.edu/LIBRARY/ReferenceTools/citations.html>

**National University Library:**  
National University Library supports academic rigor and student academic success by providing access to scholarly books and journals both electronically and in hard copy.

Print materials may be accessed at the Library in San Diego or through document delivery for online and regional students. Librarians are available to provide training, reference assistance, and mentoring at the San Diego Library and virtually for online or regional students. Please take advantage of Library resources: URL: <http://www.nu.edu/library>.

Contact the Library:

* + [RefDesk@nu.edu](mailto:RefDesk@nu.edu)
  + (858) 541-7900 (direct line)
  + 1-866-NU ACCESS x7900 (toll free)

**Please review the Syllabus in Blackboard for more Information about:**

* Student Accessibility Services
* Writing Across the Curriculum
* National University Library
* Plagiarism
* Ethics
* Technology
* Diversity
* Civility