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| **ELEMENT** | **CONTENT** |
| DEPARTMENT | CIS |
| AUTHOR (S) | Jeremy Ouellette |
| COURSE NUMBER | **CIS 2261** |
| COURSE TITLE | **Introduction to Java Programming I** |
| SHORT TITLE | Intro to Java I |
| COURSE LEVEL | 2000 |
| DATE CREATED | 12/12/2011 |
| CHECKED/CHANGED | 2/28/2017 |
| PREREQUISITES |  |
| COREQUISITES |  |
| RESTRICTIONS |  |
| SPECIAL FEES | No |
| CREDITS | 4 |
| HOURS | 3 hours of lecture, 2 hours of lab per week |
| SEMESTER | Fall |
| COURSE DESCRIPTION | This course is the first of a two-semester series that introduces the basic concepts and techniques of Java. Essential topics include program structure; primitive and string data types; operators; expressions; control structures; static methods (including an introduction to recursion); and classes and objects. |
| SUGGESTED TEXTS | *Java for Everyone: Late Objects*; Cay Horstmann |
| OPTIONAL TEXTS |  |
| COURSE OUTCOMES | The successful student will be able to:   1. Use an integrated development environment 2. Use variables and assignments 3. Use expressions and types 4. Use control structures 5. Understand the concepts of primitive and reference variables 6. Use while and for loops 7. Use method calls 8. Use recursion for simple appropriate problems 9. Use one-dimensional arrays and enhanced for loops 10. Define and use classes, constructors, and the new operator |
| COURSE CONTENT | 1. Simple programming    1. Variables    2. Types    3. Assignments 2. Control structures (if/else/else if/switch) 3. Loops 4. Methods 5. Recursion 6. Arrays 7. Objects, fields, methods, and new |
| LAB/STUDIO OUTCOMES | The successful student will be able to:   1. Produce small but useful programs |
| LAB/STUDIO CONTENT |  |
| LECTURE CAPACITY | 32 |
| LAB CAPACITY | 16 |
| GRADED OR P/NP | Graded |
| EVALUATION | Homework, quizzes, exams, lab assignments |
| DELIVERY METHOD | LEC, LAB |
| ROOM REQUIREMENTS | Computer lab for lab |
| AUTHOR’S NOTES |  |