**Schedule of Class Topics**

**CSE 1310 - 005  Spring 2019**

**Dr. Tiernan’s section**

NOTE: the schedule of future lecture topics is tentative and subject to change.

As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. – Dr. Tiernan

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| Lecture | Topic | Book Reading | Assignments\*\* |   |
| 1 | Introduction;  Course syllabus and introduction to the class. How to run a Java program in Netbeans |  Chapters 1, 2.  |   | Jan 15 (Tues) |
| 2 | First Programs; Output, Arithmetic, Variables, User Input. |  Chapters 1, 2.  | Lab 1\*\* | J 17 (R) |
| 3 | Variables, types, operations on numbers, formatted output (printf).  |  Chapter 2.  |   | J 22 (T) |
| 4 | Strings.  |  Chapter 2.  |   | J 24 (R) |
| 5 | Algorithms, If statements  |  Chapter 3. |   | J 29 (T) |
|   | *CENSUS DATE*  |   |   | J 30 |
| 6 | If statements (continued)  |  Chapter 3.  | Lab 2\*\* | J 31 (R) |
| 7 | Nested if-else, switch |  Chapter 3. |   | F 5 (T) |
| 8 | Loops  |  Chapter 4.  |   | F 7 (R) |
| 9 | Loops (continued)  |  Chapter 4.  | Lab 3\*\* | F 12 (T) |
| 10 | Loops (continued) ,  File input/output. |  Chapter 4., 7 |   | F 14 (R) |
| 11 | Exceptions and Input Validation  |   |   | F 19 (T) |
| 12 | **First midterm.**  |   |   | F 21 (R) |
| 13 | Methods (functions)  |  Chapter 5  | Lab 4\*\* | F 26 (T) |
| 14 | Methods (functions), continued. Slides on common mistakes with methods/functions |  Chapter 5  |   | F 28 (R) |
| 15 | Methods (functions), continued.  |  Chapter 5  |   | M 5 (T) |
| 16 | Arrays and array lists.  |  Chapter 6.  | Lab 5\*\* | M 7 (R) |
| 17 | Arrays and array lists, continued.  |  Chapter 6.  |   | M 19 (T) |
| 18 | Arrays and array lists, continued.  |  Chapter 6.  |   | M 21 (R) |
| 19 | **Second midterm.** |   |   | M 26 (T) |
| 20 | Binary numbers, hexadecimal numbers.  |  Appendix I.  | Lab 6\*\* | M 28 (R) |
|   | *LAST DAY TO DROP – 4:00PM* |   |   | M 29  |
| 21 | Detailed File input/output  |  Chapter 7.  |   | A 2 (T) |
| 22 | File input/output (continued).  |  Chapter 7.  |   | A 4 (R) |
| 23 | Example application.  |   |   | A 9 (T) |
| 24 | Example application (continued).  |   | Lab 7\*\* | A 11 (R) |
| 25 | Examples of more complicated programs. |   |   | A 16 (T) |
| 26 | **Revised schedule:** **Third midterm.**  |   |   | A 18 (R) |
| 27 | Examples of more complicated programs.  |   |   | A 23 (T) |
| 28 | Examples of more complicated programs.  |   |   | A 25 (R) |
| 29 | Examples of more complicated programs.  |   |   | A 30 (T)  |
| 30 | Last class day |  |  | May 2 (R) |
|   | **CSE 1310 Departmental Final Exam** Date TBD |   |   |  |

\*\*Planned Assignments Schedule – All dates are tentative on the schedule

         Assignments will be due approximately weekly. Each assignment will have the ACTUAL due date on the assignment.

Planned Exams Schedule

    First midterm:.

        Main topics: variables, assignments, types, conditionals, while/for loops.

        Reading: textbook chapters 1, 2, 3, 4 and simple file input

    Second midterm:.

        Main topics: variables, assignments, types, conditionals, while/for loops, methods (functions), arrays.

        Reading: textbook chapters 1, 2, 3, 4, 5, 6 and simple file input

    Final exam:,   TBD

        Main topics: variables, assignments, types, conditionals, while/for loops, methods (functions), arrays, files.

        Reading: textbook chapters 1, 2, 3, 4, 5, 6, 7.