**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.