**Schedule of Class Topics**

**CSE 1310 - 005 Spring 2018**

**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 16 |
| 2 | First Programs; Output, Arithmetic, Variables, User Input. | Chapter 2. | Lab 1\*\* | J 18 |
| 3 | Variables, types, operations on numbers, formatted output (printf). | Chapter 2. |  | J 23 |
| 4 | Strings. | Chapter 2. |  | J 25 |
| 5 | Algorithms, If statements | Chapter 3. | Lab 2\*\* | J 30 |
|  | *CENSUS DATE* |  |  |  |
| 6 | If statements (continued) | Chapter 3. |  | Feb 1 |
| 7 | Nested if-else, switch | Chapter 3. |  | F 6 |
| 8 | Loops | Chapter 4. | Lab 3\*\* | F 8 |
| 9 | Loops (continued) | Chapter 4. |  | F 13 |
| 10 | Loops (continued) , File input/output. | Chapter 4., 7 |  | F 15 |
| 11 | Exceptions and Input Validation |  |  | F 20 |
| 12 | **First midterm.** \*\* |  |  | F 22 |
| 13 | Methods (functions) | Chapter 5 | Lab 4\*\* | F 27 |
| 14 | Methods (functions), continued. Slides on common mistakes with methods/functions | Chapter 5 |  | Mar 1 |
| 15 | Methods (functions), continued. | Chapter 5 |  | M 6 |
| 16 | Binary numbers, hexadecimal numbers. | Appendix I. | Lab 5\*\* | M 8 |
|  | *Spring Break* |  |  |  |
| 17 | **Second midterm. \*\*** |  |  | M 20 |
| 18 | Arrays and array lists. | Chapter 6. |  | M 22 |
| 19 | Arrays and array lists, continued. | Chapter 6. |  | M 27 |
| 20 | Arrays and array lists, continued. | Chapter 6. | Lab 6\*\* | M 29 |
|  | *LAST DAY TO DROP* |  |  |  |
| 21 | Detailed File input/output | Chapter 7. |  | Apr 3 |
| 22 | File input/output (continued). | Chapter 7. | Lab 7\*\* | A 5 |
| 23 | Example application. |  |  | A 10 |
| 24 | Example application (continued). |  |  | A 12 |
| 25 | **Third midterm. \*\*** |  |  | A 17 |
| 26 | Examples of more complicated programs. |  | Lab 8\*\* | A 24 |
| 27 | Examples of more complicated programs. |  |  | A 26 |
| 28 | Examples of more complicated programs. |  |  | May 1 |
| 29 | Last class day |  | Lab 9\*\* | M 3 |
|  | **Final Exam**  Dates for ALL final exams are given online at <http://www.uta.edu/records/calendars/final-exams.php> |  |  | M 10 |
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\*\*Planned Assignments and Tests 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).

Reading: textbook chapters 1, 2, 3, 4, 5, files and binary

Third midterm:.

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

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

Final exam:, 2:00pm-4:30pm.

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

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