**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.