**Schedule of Class Topics**

**CSE 1310 - 003 Fall 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.  |  | Aug 23 |
| 2 | First Programs; Output, Arithmetic, Variables, User Input. |  Chapters 1, 2.  | Lab 1\*\* | A 28 |
| 3 | Variables, types, operations on numbers, formatted output (printf).  |  Chapter 2.  |  | A 30 |
| 4 | Strings.  |  Chapter 2.  |  | S 4 |
| 5 | Algorithms, If statements  |  Chapter 3. |  | S 6 |
|  | *CENSUS DATE*  |  |  |  |
| 6 | If statements (continued)  |  Chapter 3.  | Lab 2\*\* | S 11 |
| 7 | Nested if-else, switch |  Chapter 3. |  | S 13 |
| 8 | Loops  |  Chapter 4.  |  | S 18 |
| 9 | Loops (continued)  |  Chapter 4.  | Lab 3\*\* | S 20 |
| 10 | Loops (continued) , File input/output. |  Chapter 4., 7 |  | S 25 |
| 11 | Exceptions and Input Validation  |  |  | S 27 |
| 12 | **First midterm.**  |  |  | O 2 |
| 13 | Methods (functions)  |  Chapter 5  | Lab 4\*\* | O 4 |
| 14 | Methods (functions), continued. Slides on common mistakes with methods/functions |  Chapter 5  |  | O 9 |
| 15 | Methods (functions), continued.  |  Chapter 5  |  | O 11 |
| 16 | Arrays and array lists.  |  Chapter 6.  | Lab 5\*\* | O 16 |
| 17 | Arrays and array lists, continued.  |  Chapter 6.  |  | O 18 |
| 18 | Arrays and array lists, continued.  |  Chapter 6.  |  | O 23 |
| 19 | **Second midterm.** |  |  | O 25 |
| 20 | Binary numbers, hexadecimal numbers.  |  Appendix I.  | Lab 6\*\* | O 30 |
| 21 | Detailed File input/output  |  Chapter 7.  |  | N 1 |
|  | *LAST DAY TO DROP* |  |  |  |
| 22 | File input/output (continued).  |  Chapter 7.  |  | N 6 |
| 23 | Example application.  |  |  | N 8 |
| 24 | Example application (continued).  |  | Lab 7\*\* | N 13 |
| 25 | Examples of more complicated programs. |  |  | N 15 |
| 26 | Examples of more complicated programs.  |  |  | N 20 |
| 27 | Examples of more complicated programs.  |  |  | N 27 |
| 28 | Examples of more complicated programs.  |  |  | N 29 |
| 29 | Last class day |  |  | D 4 |
|  | **CSE 1310 Departmental Final Exam** Monday, December 10, 2018, 5:30pm – 8:00pm |  |  | D 10 |
|  |  |  |  |  |

\*\*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:, Monday, December 10, 2018, 5:30pm – 8:00pm

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

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