

**Tentative Schedule for CSC 2100 & 2101**

**Fall 2016**

| CLASS # | DAY       | DATE     | CHAPTER | DESCRIPTION                                                                                                                                                                       | HOMEWORK / LABS / PROGRAMS / QUIZZES              |
|---------|-----------|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 1       | Monday    | 08/22/16 | 1       | Introduction, Syllabus, Schedule, MPL Intro<br>Start Chapter 1 (programs, computer hardware/software, languages)                                                                  | Install compiler & editor on your laptop!         |
| 2       | Wednesday | 08/24/16 | 1 & 2   | Elements of a program, A Basic C++ Program                                                                                                                                        |                                                   |
| LAB     | Thursday  | 08/25/16 |         | LAB 1 - Installing compiler on laptop (if haven't already), Write your first program, Run your first program.                                                                     |                                                   |
| 3       | Friday    | 08/26/16 | 2       | cout (output), variables & literals, naming rules for vars                                                                                                                        |                                                   |
| 4       | Monday    | 08/29/16 | 2       | Number Systems, integer data types, char data type, C++ string class                                                                                                              | <b>PROGRAM ONE ASSIGNED</b>                       |
| 5       | Wednesday | 08/31/16 | 2 & 3   | float, string, bool, sizeof(), variable assignment, variable initialization, scope, arithmetic operators, comments, constants                                                     | <b>LAB 1 Due (11:59pm dropbox closes!)</b>        |
| LAB     | Thursday  | 09/01/16 |         | LAB 2 - Chapter 2                                                                                                                                                                 | LAB 2 Quiz (at 8am)                               |
| 6       | Friday    | 09/02/16 | 3       | cin (input), math expressions, type conversions, overflow & underflow, type casting, multiple & combined assignment operators                                                     |                                                   |
|         | Monday    | 09/05/16 |         | LABOR DAY HOLIDAY                                                                                                                                                                 |                                                   |
| 7       | Wednesday | 09/07/16 | 3       | formatting output, characters & string objects                                                                                                                                    | <b>LAB 2 Due (11:59pm dropbox closes!)</b>        |
| LAB     | Thursday  | 09/08/16 |         | LAB 3 - Chapter 3                                                                                                                                                                 | LAB 3 Quiz (at 8am)                               |
|         | Friday    | 09/09/16 | 4       | relational operators, The IF statement                                                                                                                                            |                                                   |
|         | Monday    | 09/12/16 | 4       | logical operators, checking numeric ranges with logical operators, menus, validating user input, string comparison, switch statement, blocks & scopes                             | <b>PROGRAM ONE DUE!<br/>PROGRAM TWO ASSIGNED</b>  |
|         | Wednesday | 09/14/16 |         | <b>EXAM ONE - Chapters 1-4</b>                                                                                                                                                    | <b>Lab 3 Due (11:59pm dropbox closes!)</b>        |
| LAB     | Thursday  | 09/15/16 |         | LAB 4 - Chapter 4                                                                                                                                                                 | LAB 4 Quiz (at 8am)                               |
|         | Friday    | 09/16/16 | 5       | EXAM REVIEW, chapter 4 practice (elephant program)<br>increment/decrement                                                                                                         |                                                   |
|         | Monday    | 09/19/16 | 5       | while loops, while loop for input validation, counters, do-while loops, for loops                                                                                                 |                                                   |
|         | Wednesday | 09/21/16 | 5       | continued for loops, running total, sentinels, nested loops, using files, break & continue                                                                                        | <b>LAB 4 Due (11:59pm dropbox closes!)</b>        |
| LAB     | Thursday  | 09/22/16 |         | LAB 5 -Chapter 5                                                                                                                                                                  | LAB 5 Quiz (at 8am)                               |
|         | Friday    | 09/23/16 | 5       | Chapter 5 Practice                                                                                                                                                                |                                                   |
|         | Monday    | 09/26/16 | 6       | defining functions, prototypes                                                                                                                                                    | <b>PROGRAM TWO DUE<br/>PROGRAM THREE ASSIGNED</b> |
|         | Wednesday | 09/28/16 | 6       | Sending data into a function, passing data by value, using functions in menu-driven programs, The return statement, returning a value from a function, returning a boolean value, | <b>LAB 5 Due (11:59pm dropbox closes!)</b>        |
| LAB     | Thursday  | 09/29/16 |         | LAB 6 -Chapter 6 part 1                                                                                                                                                           | LAB 6 Quiz (at 8am)                               |
|         | Friday    | 09/30/16 | 6       | local & global variables, static local variables, default arguments, using reference variables as parameters, overloading functions, the exit() function,                         |                                                   |
|         | Monday    | 10/03/16 | 6       | Chapter 6 Practice                                                                                                                                                                |                                                   |
|         | Wednesday | 10/05/16 | 7       | Introduction to Arrays (arrays hold multiple values), accessing array elements, bounds checking                                                                                   | <b>LAB 6 Due (11:59pm dropbox closes!)</b>        |
| LAB     | Thursday  | 10/06/16 |         | LAB 7 -Chapter 6 part 2                                                                                                                                                           | LAB 7 Quiz (at 8am)                               |
|         | Friday    | 10/07/16 | 7       | Array initialization, processing array contents: copying/ printing/ summing/ averaging/ highest/ lowest/ comparing arrays, using parallel arrays                                  |                                                   |
|         | Monday    | 10/10/16 |         | TTU FALL BREAK - NO CLASSES                                                                                                                                                       |                                                   |
|         | Wednesday | 10/12/16 |         | TTU FALL BREAK - NO CLASSES                                                                                                                                                       |                                                   |

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|----------------------------------------|-----------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Fall 2016                              |           |          |          |                                                                                                                                                                 |                                            |
| CLASS #                                | DAY       | DATE     | CHAP TER | DESCRIPTION                                                                                                                                                     | HOMEWORK / LABS / PROGRAMS / QUIZZES       |
|                                        | Thursday  | 10/13/16 |          | NO CLASS FOR CSC2101-002 (ALL OTHER CLASSES STILL MEET)                                                                                                         |                                            |
|                                        | Friday    | 10/14/16 | 7        | arrays as function args, 2D Arrays, Multidimensional Arrays                                                                                                     |                                            |
|                                        | Monday    | 10/17/16 | 7        | Exam Review, Chapter 7 prctice                                                                                                                                  |                                            |
|                                        | Wednesday | 10/19/16 |          | EXAM TWO - Chapters 5-7                                                                                                                                         | LAB 7 Due (11:59pm dropbox closes!)        |
| LAB                                    | Thursday  | 10/20/16 |          | LAB 8 - Chapter 7                                                                                                                                               | LAB 8 Quiz (at 8am)                        |
|                                        | Friday    | 10/21/16 | 9        | Introduction to Pointer variables                                                                                                                               |                                            |
|                                        | Monday    | 10/24/16 | 9        | Arrays & Pointers, Pointer Arithmetic, Initializing Pointers, Comparing Pointers                                                                                | PROGRAM THREE DUE<br>PROGRAM FOUR ASSIGNED |
|                                        | Wednesday | 10/26/16 | 9        | Pointers & Functions, Dynamic Memory Allocation                                                                                                                 | LAB 8 Due (11:59pm dropbox closes!)        |
| LAB                                    | Thursday  | 10/27/16 |          | LAB 9 - Chapter 9                                                                                                                                               | LAB 9 Quiz (at 8am)                        |
|                                        | Friday    | 10/28/16 | 9        | Chapter 9 Practice                                                                                                                                              |                                            |
|                                        | Monday    | 10/31/16 | 10       | Character Testing, Character Case Conversion, C-String Functions                                                                                                |                                            |
|                                        | Wednesday | 11/02/16 | 10       | C-String Functions, C++ String Class, String functions                                                                                                          | LAB 9 Due (11:59pm dropbox closes!)        |
| LAB                                    | Thursday  | 11/03/16 |          | LAB 10 -Chapter 9 & 10                                                                                                                                          | LAB 10 Quiz (at 8am)                       |
|                                        | Friday    | 11/04/16 | 10       | Chapter 10 Practice                                                                                                                                             |                                            |
|                                        | Monday    | 11/07/16 | 11       | Abstract data types, combining data into structures, accessing structure members                                                                                | PROGRAM FOUR DUE<br>PROGRAM FIVE ASSIGNED  |
|                                        | Wednesday | 11/09/16 | 11       | Initializing a structure, array of structures as function arguments, nested structures, structures as funciton arguments, returning a structure from a function | LAB 10 Due (11:59pm dropbox closes!)       |
| LAB                                    | Thursday  | 11/10/16 |          | LAB 11 - Chapter 11                                                                                                                                             | LAB 11 Quiz (at 8am)                       |
|                                        | Friday    | 11/11/16 | 11       | Pointers to Structures, Structures can contain pointers                                                                                                         |                                            |
|                                        | Monday    | 11/14/16 | 11       | Ch 11 practice                                                                                                                                                  |                                            |
|                                        | Wednesday | 11/16/16 | 12       | File Operations, File output formatting, Detailed Error Testing, Getline function                                                                               | LAB 11 Due (11:59pm dropbox closes!)       |
| LAB                                    | Thursday  | 11/17/16 |          | LAB 12 - Chapter 12                                                                                                                                             | LAB 12 Quiz (at 8am)                       |
|                                        | Friday    | 11/18/16 | 12       | Files continued, Ch 12 Practice                                                                                                                                 |                                            |
|                                        | Monday    | 11/21/16 | 13       | Intro to Object Oriented Programming, classes objects                                                                                                           | PROGRAM FIVE DUE                           |
|                                        | Wednesday | 11/23/16 |          | THANKSGIVING HOLIDAY - NO CLASSES                                                                                                                               |                                            |
|                                        | Thursday  | 11/24/16 |          | THANKSGIVING HOLIDAY - NO CLASSES                                                                                                                               |                                            |
|                                        | Friday    | 11/25/16 |          | THANKSGIVING HOLIDAY - NO CLASSES                                                                                                                               |                                            |
|                                        | Monday    | 11/28/16 | 13       | Constructors/Destructors                                                                                                                                        |                                            |
|                                        | Wednesday | 11/30/16 | 13       | Exam Review<br>OO Program vs. Procedural Program                                                                                                                | LAB 12 Due (11:59pm dropbox closes!)       |
| LAB                                    | Thursday  | 12/01/16 |          | NO LAB - WHOOP!                                                                                                                                                 |                                            |
|                                        | Friday    | 12/02/16 |          | EXAM THREE - BR207 - 8:00 - 9:30 am (Chapters 9-13)                                                                                                             |                                            |