

**Fall 2009 – August 31, 2009 – December 19, 2009 - A HYBRID course**

<b>Class</b>	CIT 133 – D1 - Beginning C++
<b>Room</b>	Hybrid – ONCAMPUS & ONLINE using Angel
<b>Hours</b>	24/7 Online & <b>4 Tuesdays, 6:00 – 8:50 PM</b> , Henderson, Room C118 The class meets on: <b>9/8, 10/6, 11/10, 12/15</b>
<b>Instructor</b>	Naser E. Heravi
<b>Office</b>	Henderson Campus - C201B
<b>Office Hours</b>	<b>Tuesdays, 12:00 – 5:00 PM – Room 201B - Henderson Campus, and by appointment</b>
<b>Office Phone</b>	651-3148 <b>Please use my e-mail as your first preference</b>
<b>E-mail</b>	Angel e-mail system Alternate e-mail: citclass@gmail.com
<b>Web Page Address</b>	<a href="http://sites.csn.edu/nheravi/">http://sites.csn.edu/nheravi/</a>

**An Important NOTE:** If you have any concerns about this course and/or me, please contact me first. If I cannot resolve your issue, please contact the CET department office at 651-4660 and speak to the department chairperson. You will remain anonymous and all communications will be strictly confidential. Please **DO NOT** wait till the last minute to make your concerns known to me and/or to the department chairperson.

## **A NOTE on the HYBRID course: PLEASE READ**

This is a hybrid course which means we will meet in the classroom for the designated number of days (Tuesdays – 6 - 8:50 PM 9/8, 10/6, 11/10, 12/15). We will use the class meeting time to discuss any issues and answer any questions. I usually have a complete lecture for the material covered till our next meeting when we meet in class. The rest of the class will be ONLINE. You will take your exams online and you will submit your assignments and receive feedback online. It is OK if you cannot make any or all of the class meetings. My purpose for these meetings is to help answer any questions and to review the material.

"If you have a documented disability that may require assistance, you will need to contact the Disability Resource Center (DRC) for coordination of your academic accommodations. The DRC is located in Student Services on each campus. The phone numbers for each DRC office are: West Charleston 651-5644, Cheyenne 651-4045, and Henderson 651-3795.

For students that would like to perform community service or earn extra money, stop by the DRC to fill out a job interest card. This office hires students as note takers, proctors, scribes, and lab assistants as needed." Students are encouraged to take advantage of the fantastic services offered by the CSN Retention Office. Retention offers:

- Free Guidance Appointments
- Faculty/Staff Mentors
- Tutoring Assistance (Student Coaches)
- College Survival Skills
- Learning the Ropes at CSN

The Retention Office will help you come up with practical solutions to any challenges you may encounter and get you connected to the right resources. The mission of the office is to help you stay in school and achieve your dreams for a brighter future. We are here to help you and work with you. Don't quit CSN before calling us!

Call 651-2626

**Text:** C++ Programming: From Problem Analysis to Program Design - **ALSO, used for CIT233**  
By D. S. Malik - Fourth Edition  
ISBN: 1423902092

**Recommended Compilers (You may use ANY compiler that compiles C++ source code):**

1. Borland C++Builder 5.5 Command-line Compiler  
<http://www.borland.com/bcppbuilder/freecompiler/cppc55steps.html>
2. Dev C++ available from: <http://www.bloodshed.net/>

**Textbook Information:**

Here is the textbook's web address: <http://oc.course.com/computerscience/malikcpp4e/>

**A reference (The reference IS NOT mandatory, it is only a reference that can be used in addition to other references)**

<http://www.cplusplus.com/doc/tutorial/>

**Course Description:**

An introduction to the C++ programming language. Topics will include C++ data types, input, output, operators, decision and looping statements, functions and classes. Prerequisite: IS 115 and/or ability to program in a high level programming language.

**Course Outcomes:**

Upon completion of this course the student will be able to:

- Develop algorithms to solve problems and represent them in pseudo-code or flowcharts
- Develop computer programs using a pseudo-code or flow-chart design
- Understand the concepts of input, output, user input, assignments, the processes of decision-making and repetition
- Design and code programs using IF, IF...ELSE and SWITCH, WHILE, DO\_WHILE and FOR statements
- Understand the concepts of modular programming
- To write computer programs using functions (methods)
- Understand the concepts of Object Oriented Programming

**Tests:**

Your grade is based on 3 exams and graded assignments. Exam 3 is a comprehensive final exam. All exams are closed book and closed notes. All exams may include True/False, Multiple choice, short answers, and Fill-in type questions. The material covered on the tests will be discussed prior to the examinations. **There are NO MAKEUP exams.** Exams will be open during a period of time announced in advance. Homework assignments also have strict due dates.

**Assignments:**

Assignments are given and collected by the due date. You are encouraged to discuss the course material with other students.

**Ethics Statement:**

It is expected that you work on your own.

**MISSED-TEST POLICY:** Serious folks understand that success requires planning and discipline. Therefore, they set priorities. They value the power of education to transform their lives and the lives of their families. A

college education provides more than course-specific knowledge. Students are expected to meet deadlines and keep commitments. Therefore, students are expected to take tests when scheduled.

**ACADEMIC DISHONESTY:** According to the Schedule of Classes, "CSN demands a high level of academic behavior. Acts of academic dishonesty including plagiarism and cheating are regarded as very serious offenses." If academic dishonesty is discovered in this class, the student will receive a grade of "F" for the class.

**INSTRUCTOR WITHDRAWAL OF STUDENT:** Any student who wishes to drop this class with a W (withdraw) will have till the end of the semester to do so. You **MUST** send me an e-mail message requesting to withdraw from the class. Otherwise, you will get the grade earned in the class. The subject of the e-mail address must state: WITHDRAW from the course

NOTE: This withdrawal policy is my policy and does not adhere to the deadlines established by the admissions office. I will take care of entering a W for your grade if you decide to withdraw from the course.

**Attendance:**

Class participation is a strong aspect of this course and your participation is always encouraged. **You must post to a discussion thread at least 4 times a week on 4 different days to meet the attendance requirement. This must be done every week from the beginning to the end of the semester. Your grade will fall one letter grade if you do not adhere to this attendance policy. So, if you login on Monday and post 4 messages, you will not have met the attendance requirement.**

**Grading Policy:**

The final grade is based on **3 exams** and **graded assignments**. Exams 1 and 2 are worth 100 points each. Exam 3(a comprehensive final exam) is worth 200 points. Graded assignments are worth 200 points. This will give you a total of 600 points.

**GRADE DISTRIBUTION:**

<b>Points</b>	<b>000-359</b>	<b>360-389</b>	<b>390-419</b>	<b>420-449</b>	<b>450-479</b>	<b>480-509</b>	<b>510-539</b>	<b>540-600</b>
<b>Grade</b>	<b>F</b>	<b>D</b>	<b>D+</b>	<b>C</b>	<b>C+</b>	<b>B</b>	<b>B+</b>	<b>A</b>

**Holidays:**

- September 1 – Labor Day*
- October 31 – Nevada Day*
- November 11 - Veteran's Day*
- November 27-30 – Thanksgiving Recess*

**Other Important Dates:**

<http://www.csn.edu/PDFFiles/academics/20092010AcademicCalendarRev.pdf>

**A note on use of Angel:**

I will post all material on Angel. You will have access to Angel by visiting <http://onlinecampus.csn.edu/default.asp> and logging into the system. Your login username is the last 8 digits of your student C number, and your password is your date of birth in MMY format. I will discuss the use of Angel in class on our first session. We will cover the material in chapters 1 through 11 of your textbook. We will cover additional chapters as time allows.

**FALL 2009 – CIT133 - Here is a tentative schedule of activities (Subject to change at any time!):**

Classroom meeting dates: Tuesdays: 9/8, 10/6, 11/10, 12/15

The class officially starts on Tuesday, September 1, 2009

Week	Classroom Dates	Topics	Chapters
1 9/1 – 9/7		An Overview of Computers & Programming Languages Basic Elements of C++	Chapter 1 Chapter 2
2 9/8 - 9/14	<b>INCLASS on 9/8</b>	<b>Review of all material</b>	
3 9/15 – 9/21		Basic Elements of C++ Input/Output -	Chapter 2, 3
4 9/22 – 9/28		Input/Output – Control Structures I - [Selection]	Chapter 3, 4
5 9/29 - 10/5		<b>EXAM 1 – online - on chapters 1-3 - available ONE time from 9/29-10/5</b> Control Structures I - [Selection]	Chapter 4
6 10/6 – 10/12	<b>INCLASS on 10/6</b>	<b>Review of all material</b> Control Structures II - [Repetition]	Chapter 5
7 10/13 – 10/19		Control Structures II - [Repetition]	Chapter 5
8 10/20 – 10/26		Control Structures II - [Repetition] User-Defined Functions I	Chapter 5, 6
9 10/27 – 11/2		User-Defined Functions I User-Defined Functions II	Chapter 6, 7
10 11/3 – 11/9		The string type (SKIP User-Defined Simple Data Types, NameSpaces)	Chapter 8
11 11/10 – 11/16	<b>INCLASS on 11/10</b>	<b>Review of all material</b> <b>EXAM 2 – online – on chapters 4-7 - available ONE time from 11/10 – 11/16</b> Arrays & Strings	Chapter 9
12 11/17 – 11/23		Arrays & Strings Applications of Arrays (SKIP the Vector Types in chapter 10)	Chapter 9, 10
13 11/24 – 11/30	<b>Thanksgiving Break</b> <b>11/26 – 11/29</b>	<b>ENJOY your BREAK</b>	<b>NO NEED to sign in for attendance requirement</b>
14 12/1 – 12/7		Records (Structs)	Chapter 11
15 12/8 – 12/14		Classes & Data Abstraction <b>Chapter 12 will NOT be covered in the final exam</b>	Chapter 12
	<b>INCLASS on 12/15</b>	<b>Exam 3 is a comprehensive final exam covering mainly chapters 8-11, and the material from early chapters.</b> <b>Finals week: 12/13 – 12/19</b>	<b>The final exam will be open ONLY from December 13 through December 19</b>