# CS 135 – Computer Science I UNIVERSITY OF NEVADA LAS VEGAS Dep rtment o! Computer Science Seme"ter#Term

Item	Computer Science I
Time(s):	
Class Location	
Office Location:	
Office Hours:	
Phone:	
WebCampus:	https://webcampus unl! e"u
#mail:	

Note: The instructor reser!es the ri\$ht to chan\$e the s%llabus as it relates to how the course is a"ministere"

### Cour"e De"cription

Problem-solving methods and algorithm development in a high-level programming language. Program design, coding, debugging, and documentation using techniques of good programming style. Program development in a powerful operating environment. Three hours lecture and one hour lab.

### Cour"e \$rere%ui"ite&"'(

) \*T &+, or ) \*T &+- (' cre"its)

To .ualif% for this course %ou must ha!e earne" a C or better in ) \*TH &+, (Pre/calculus II) or ) \*TH &+- (Pre/calculus an" Tri\$onometr%) The prere.uisite ma% also be met with an

#### Dep rtment o! Computer Science Ac .emic Inte\*rit/ \$o)ic/

Each student enrolled in a course offered by the Department of Computer cience is e!pected to do his"her own wor# when preparing written or programming assignments, as well as, e!aminations. \$e" he must adhere to the academic integrity policy provided by his"her instructor and the university. %t is also each student responsibility to notify the instructor if he"she becomes aware of any activities that would violate the academic integrity policy of the class.

#### CS 135 Ac .emic Inte\*rit/ \$o)ic/

Each student is required to do his"her own wor# on e!aminations, written and programming assignments, and e!ercises without outside assistance e!cept as noted below. %t is also each student responsibility to notify the instructor if he"she becomes aware of any activities that would violate the academic integrity policy of the class.

- information"code provided in the te!tboo#.
- information"code provided in the class notes 'on the website(.
- assistance provided by course instructor or provided by the College of Engineering Tutoring Center 'as long as the tutor is not writing the code(.
- use of the %nternet to loo# up a formula that is needed to perform a calculation or to verify the accuracy of a calculation.
- use of the %nternet as a reference for additional C)) language details.
- copying answers"code from a fellow student, friend, relative.
- providing answers"code to a fellow student.
- collaborating 'sharing( answers"code.
- using the %nternet to develop a strategy for solving a problem 'finding an algorithm(.
- using the %nternet to solicit a solution to an assignment.
- using the %nternet to find an e!ample of code that solves a portion of an assignment.
  - There is no difference between cut and pasting the code or if the student types the code in using an editor. The code source is the %nternet either way, which is prohibited.
- as#ing and"or paying someone to complete your assignments.
- an \*Ileged \*cademic + isconduct, eport will be completed and a copy sent to the <u>- ffice</u> of tudent Conduct
- .st violation student's( will receive a grade of /ero on the assignment"e!amination
- Ond violation a grade of 1 will be issued for the course2 no further assignments"labs"e!ams can be completed for credit.

8 ? L@ stu"ents enrolle" in online or h%bri" courses are e5pecte" to rea" an "a"here to the <u>Stu"ent \*ca"emic</u>) iscon"uct Polic%0 https://www unl! e"u/stu"entcon"uct/miscon"uct/polic%0 which states that Factin\$ or attemptin\$ to act as a substitute for another0 or usin\$ or attemptin\$ to use a substitute0 in an% aca"emic e!aluation or assi\$nmentG is a form of aca"emic miscon"uct Intentionall% sharin\$ \*C# lo\$in cre"entials with another person ma% be consi"ere" an attempt to use a substitute0 an" coul" result in in!esti\$ation an" sanctions0 as outline" in the Stu"ent \*ca"emic) iscon"uct Polic%

8 ? L@ stu"ents enrolle" in online courses are also e5pecte" to rea" an" a"here to the \*cceptable

"a%s of the course for Summer an" mo"ular courses0 of their intention to participate in reli\$ious holi"a%s which "o not fall on state holi"a%s or perio"s of class recess ; or a""itional information0 please !isit the ) isse" ClassworB polic%0 un"er Ae\$istration Policies0 on the <u>\*ca"emic Policies</u>

## Cour"e A\*en. #Sc1e.u)e

#### Table 1: CS 135 Course Agenda/Schedule

2 o . u)e# 6 ee5 7	Acti-it/	Lecture
&	Course %ntroduction, - verview of Computers, Programming 3anguages, %ntro to 3inu!, Program Creation Process.	&/+
+	4asics of a C)) Program, - utput, 5 ariables and Data Types, * ssignment, * rithmetic - perators and Precedence	'/7
,	%nput, trings, 6 amed Constants, Casting, - utput + anipulators, Escape equence, Comparison - perators.	(/1
7	3ogical - perators, if tatements, trings and , elational - perators, hort Circuit Evaluation, switch tatements	,/-
(	Control structures 'while, for, do while loops, brea#, continue(	&2</td
1	, eview for test, Test .	
,	1ile %" -, 1unctions 'void and value-returning(	&&/&+
-	cope, 3ocal"7 lobal identifiers, , eference"5 alue Parameters, tatic"* utomatic 5 ariables, Default Parameters, 1 unction - verloading	&'/&7
<	* rrays, introduction to 5 ectors	&(/&1

2 o . u)e# 6 ee5 7	Acti-it/	Lecture
&2	* rrays, * rray Errors, 3 inear earch, 4 ubble ort, c-strings	&,/&-
&&	Parallel * rrays, * rrays as function parameters, election ort, %nsertion ort, 4 inary earch	& +2</td
&+	, eview for test, Test 0	
& '	Command-3ine *rguments, structs, *rrays of structs, structs Containing *rrays, structs within structs	+&/++
&7	C)) multiple file development, .h, .cpp, Development and Compiling, %ntroduction to Classes	+'/+7
&(	Introduction to pointers, classes, , eview for 1 inal	+(/+1
&1	; inal #5am	