SYLLABUS
Introduction to Programming

COURSE: COMSC 110-5016

UNIT(S): 4 DAYS/TIME: Online

OFFICE HOUR: Online

INSTRUCTOR: Prof. Daniella Blackburn

WEBSITE: **CANVAS**
24/7 Help Desk phone number : **1-844-303-5586**

EMAIL: Please use **CANVAS** (Inbox) OR email to dblackburn@dvc.edu

REQUIRED TEXTBOOKS: *Programming Concepts in C++, Robert Burns*

DESCRIPTION: Introduction to programming emphasizing modular design and development of programs, coding style, documentation, debugging, and testing. All control structures and data types of a commonly-used language are covered. **Language: C++.** Prerequisite: MATH 110 or equivalent.

Objectives/SLOs for COMSC-110. Students will be able to…

- Analyze problem specifications
- Use variables, branching, looping, libraries, and subprograms
- Design, code, debug, test, and document programs written to solve diverse problems
- Apply the fundamentals of good programming structure and good programming practices
- Use data structures such as records, files, and arrays, and to assess their suitability for various applications
- Use C++ pointers
- Use recursion

IMPORTANT DATES:

- **February 5th** Last day to Drop with Refund
- **February 7th** Last day to Add a full-term class
  Last Date to Drop with no 'W' appearing on transcript
- **April 23th** Last Date to Drop with 'W' appearing on transcript
- **May 17th-21nd** Final exams week

GRADING:

Lab Exercises (15):	700 points
MidTerm, Final Exams:	100 points
Term Projects:	100 points
Online Quizzes:	100 points

Quizzes, MidTerm and Final Exams are available for one time only – they are open book and open internet.

A 900 – 1000 points	D 600 – 699
B 800 – 899	F 599 and below
C 700 – 799	

COURSE POLICY:

- This is an online section and therefore **you must be self-disciplined**. You are expected to spend about **12 hours per week** on this course listening to lectures, reading, doing labs, projects, and quizzes.
- Students are required to take the weekly quiz and upload lab assignments EACH WEEK. Students who do not take the weekly quiz and fail to upload lab assignments for more than 2 weeks (14 consectutive days) **will be automatically dropped from this class** unless I am notified prior to that.
- Lab assignments are posted on **CANVAS** for each week. Lab writeups may have accompanying with videos.
- Lab assignments are due at *11:55pm* of the evening of the due date indicated on the course outline. Completed lab work must be posted to **CANVAS** for credit, into the correct dropbox folder, with correctly spelled and cased filenames.
- Lab work will be sent back for redo if not fully correct, with a 1 point penalty each time it is sent back for any of the reasons listed in the lab writeups. Labs that are not made fully correct 2 weeks after their due date will receive partial credit for incomplete work. Each lab must be completed correctly before the next lab is considered for grading.
- Late lab assignments and projects will be accepted with a 5 point penalty, except for work submitted 2 weeks after its due date, or after noon on **May 20th**, will receive zero points. Submitted or resubmitted work will not be accepted after 11:55 pm on **Thursday May 20th**, and partial credit will be awarded for any incomplete labs at that time.
- It is your responsibility to ask for assistance if needed. If you need help, please don't hesitate to contact me anytime by sending email via **CANVAS** Inbox using class website or email to dblackburn@dvc.edu.
- If you have questions or need help with any of your work/programs, please don't hesitate to email them to me and **make sure you always attach the work file(s) along with your questions.** Be sure to give yourself time for assistance **prior to submitting** your work, so you don't submit late assignments.
- Online quizzes are conducted each week. No make-ups for missed quizzes. Quizzes cover the material for the indicated chapter's reading assignment in the course outline, *and* the corresponding lecture notes. Online quizzes are accessible on **CANVAS** via the internet. All quizzes are timed, each allowing a few minutes for 8 or fewer multiple-choice questions.
- The final exam and the midterm exam are both *open book and open note*.
- Students are expected to follow the DVC Student Code of Conduct. Accordingly, no credit will be given for work that is not original. Students MUST do their own assignments and **NOT share** their work or code with other students. Cheating will cause you and those that allowed you to cheat from them or that you helped cheat to receive **zero points for the assignments and/or quizzes**. Again, there is no need to cheat, always remember you can always send me your work/programs prior to final submission and get my assistance.
- In the event that you must drop this course, **it is your responsibility to drop the course**. It is my hopes that you communicate why you must drop the class and if there is anything I can do to help you reach your goal of completing this class.

The following is your class schedule. All programming assignments, videos, quizzes and test will be posted and communicated through **CANVAS.** If you fall behind it is up to you to contact the instructor. This schedule is setup so you have a week to accomplish the assignment, the week will run from Friday 7 am – Thursday 11:55 pm.

This schedule is subject to change due to enhancements in resources, projects, discussions, etc.

WEEK	CHAPTERS	ASSIGNMENTS/DUE DATES
01	01/25 – 01/28/21	To Do: Get familiar with CANVAS; Buy the required book; Read the syllabus and take the Orientation Quiz (4 points) ; Take PreSLOSurvey(10pts)
02	Chapter1 01/29– 02/04/21 Chapter2 01/29 – 02/04/21	1. Programming Concepts To Do: Quiz1 (3pts), Lab1(30pts) Lab 1 due 02/04/21 2. Editing And Compiling To Do: Quiz2 (6pts) and Lab2 (20pts) Lab 2 due 02/04/21
03	Chapter3 02/05 – 02/11/21	3. Values, Variables, and Calculations To Do: Quiz3 (6pts) and Lab3 (40 pts) Lab3 due 02/11/21
04	Chapter4 02/12 – 02/18/21	4. Doing The Math: Libraries To Do: Quiz4(6pts) and Lab4(50 pts). Lab4 due 02/18/21
05	Chapter5 02/19 – 02/25/21	5. Interactive Programs: Console I/O To Do: Quiz5(6 pts) and Lab5(50 pts). Lab5 due 02/25/21
06	Chapter6 02/26 – 03/04/21	6. Simple Logic: If Statements To Do: Quiz6(6 pts), Lab6(50 pts). Lab 6 due 03/04/21
07	Chapter 7 03/05 – 03/11/21	7.More than One Way: Advanced Branching/Looping To Do: Quiz7(7pts), Lab7(50 pts) Lab7 due 03/11/21
08	03/12 – 03/18/21	MidTerm Exam [chap1-7] (50 pts) **03/16 – 03/18/20** MidTerm Project (50 pts) due 03/18/21
09	Chapter8 03/19– 03/25/21	8. Simplifying Complicated Programs: Using Functions To Do: Quiz8(8 pts), Lab8(50 pts) Lab 8 due 03/25/21
10	Chapter9 03/26 – 04/01/21	9. Counting on Your Fingers: Bits and Bytes To Do: Quiz9(8 pts), Lab9(50 pts) **Lab 9 due after SPRING BREAK on 04/08/21**

11	Chapter10 04/02 – 04/08/21	10. Interacting Programs: File I/O To Do: Lab10(50 pts) Lab 10 due 04/08/21
12	Chapter11 04/09 – 04/15/21	11. Checking It Twice: Arrays To Do: Quiz10(8 pts), Lab11(50 pts). Lab 11 due 04/15/21
13	Chapter12 04/16 – 04/22/21	12. Using Objects To Do: Quiz11(8 pts), Lab12(50 pts) Lab 12 due 04/22/21
14	Chapter13 04/23 – 04/29/21	13. Keeping A List: Array-Based Lists To Do: Quiz12(8 pts), Lab13(50 pts) Lab 13 due 04/29/21
15	Chapter14 04/30 – 05/06/21	14.List of Unlimited Size: Linked Lists To Do: Quiz 13(8 pts), Lab14(50 pts) Lab 14 due 05/06/21
16	Chapter15 05/07 – 05/13/21	15. Same Advanced Topics To Do: PostSLO(10 pts), Quiz#14 (8 pts),Lab15(40 pts), Final Term project(50 pts) Lab 15 and PostSLO due 05/13/21
17	05/14 – 05/20/21	Everything is due on **05/20/21** May 20th is the last day to submit FinalTerm project AND any late work. **Final Exam** – cumulative (50 pts) **05/18 – 05/20/21**

Student Code of Conduct and the Academic policies will be strictly enforced.