CSCI 124
Beginning C++/Visual C++
COURSE SYLLABUS

SEMESTER: Spring 2019

COURSE NAME: Beginning C++/Visual C++

COMMON COURSE NUMBER: CSCI 124

CLASS #:
LRSC: 17424
MISUB: 15001, 19786
WSC: 16889

INSTRUCTOR: Keith Hanson

E-MAIL ADDRESS: keith.j.hanson@lrsc.edu

INSTRUCTOR RESPONSE TIME: Within 24 hours. However, the instructor typically only reads and responds to email during evening hours after 9pm, Sunday through Thursday.

OFFICE HOURS: Online

OFFICE LOCATION: Online

PHONE NUMBER: 701-662-1600 (LRSC main line)

CREDIT HOURS: 3 credit hours

ASSIGNMENT DUE DATES: (see CLASS ATTENDANCE/POLICIES)

TECHNICAL ASSISTANCE INFORMATION: For assistance with Blackboard please visit the Lake Region State College Help Center or call 1-844-348-3963 or helpdesk@lrsconline.com

CLASS DAYS AND TIMES: Online

ROOM NUMBER: Online

LOCATION: Online

LAB HOURS: Online

PREREQUISITES: None

CATALOG DESCRIPTION: Introduction to programming in the C++/Visual C++ language. Students learn problem solving, algorithm development, and structured programming in the C++ programming language. Emphasis on learning how to design, code, debug and document programs using techniques of good programming style.

MATERIALS OF INSTRUCTION: Textbook: An Introduction to Programming with C++, 8th Edition, by Diane Zak, Course Technology ISBN 1-285-86011-X. A USB storage drive is recommended for storing student work files.

COURSE OBJECTIVES: Students with no previous programming experience learn how to plan and create their own interactive applications using the C++ language. Students learn how to write various statements, as well as how to create selection structures, repetition structures, and work with functions.

GENERAL EDUCATION OBJECTIVES:

I. 3. To apply knowledge gained in the educational process and use that knowledge in everyday living - *apply knowledge to the real world*
 II. 3. To use information objectively for solving problems and arriving at alternative solutions – *problem solving skills.*
 VI. 3. To apply current technologies to access and utilization of information - *application of technology*
 VII. 1. To develop a pattern of intellectual curiosity and inquiry which promotes life-long learning - *value of life-long learning*

MAJOR UNITS:

Chapter 1: An Introduction to Programming
Chapter 2: Beginning the Problem-Solving Process
Chapter 3: Variables and Constants
Chapter 4: Completing the Problem-Solving Process
Chapter 5: The Selection Structure
Chapter 6: More on the Selection Structure
Chapter 7: The Repetition Structure
Chapter 8: More on the Repetition Structure
Chapter 9: Value-Returning Functions

GRADING: 90% - 100%   A
            80% - 89%   B
            70% - 79%   C
            60% - 69%   D
            Below 60%   F

STUDENT OUTCOMES/COMPETENCIES: The student will be able to use Visual C++ to design applications by making use of variables and constants, selection and repetition structures, and functions.

ASSESSMENT TOOLS (subject to change at the discretion of the instructor):

Quizzes, Review Questions/Exercises @ 5-30 pts each
Programming Assignments @ 25-50 pts each
Discussions @ 10 points each
Chapter Exams @ 50 pts each
Final Exam @ 100 pts

CLASS ATTENDANCE/POLICIES:

It is the student's responsibility to obtain the required course materials (textbook, etc.). Textbooks are available via http://www.bookstore.lrsc.nodak.edu/Home.aspx.   It is strongly recommended you order your textbook from the LRSC Bookstore to ensure you quickly receive the proper textbook. In the event a student doesn't have the required materials, due dates **will not** be extended. It is the student's responsibility to obtain the required course materials as soon as possible.

Do not attempt to use software versions other than those approved by the instructor. Use of other versions of software not specifically used in the course, or otherwise authorized by the instructor, is not allowed. **Visual C++ 2017 is required.** Do not attempt to use other versions of Visual C++ for this course. Assignments submitted using other versions of Visual C++ may not be accepted for review/grading.

The student is responsible for completing all coursework by the assigned due dates, even if other activities conflict.

The student is strongly encouraged to utilize the email tool within Blackboard for communication with the instructor. The tool automatically "cc's" the student with a copy of the email sent.

Designated assignments are DUE at the date/time that is listed on Blackboard, unless otherwise noted/changed by the instructor. Any assignments submitted more than one calendar day late may receive no credit. Acceptance of late assignments, tests, or quizzes for partial credit is at the sole discretion of the instructor. Example: If you submit your assignment at 1:00 am and it was due at 11:59 pm on the prior evening, it may be considered late.

The instructor reserves the right to make exceptions for unusual circumstances, on a case-by-case basis, and the instructor's decision is final. The instructor is generally more lenient when prior arrangements have been made.

Academic Honesty: It is expected students will submit their own work at all times. Copying and/or submitting another's work is not allowed. Providing completed work to other students is also prohibited.

Example: submitting another's homework as your own is not allowed

Example 2: copying a paper from the Internet and submitting portions of it as your own work is not allowed

First offense – the student receives a zero for the assignment. Second offense – the student receives an "F" for the course and campus administration is notified.

Blackboard: Blackboard will be used as a tool to post course material and assignments. Assignments must be turned in to the instructor as noted. The official grade book will be maintained in Blackboard. The course can be accessed by going to the LRSC website:

www.lrsc.edu Click on Resource Center, then LRSC Online Campus

Login into your course with the same credentials as Campus Connection (NDUS Sign In Page)

For assistance, see the LRSC Website or call:

http://www.lrsc.edu/lrsc-services/computer-services

NDUS Help Desk 1-866-457-6387

LRSC Help Desk (701) 662-1596

Although this is an online course, it is NOT self-paced. There are established due dates for all assignments.

The instructor will only use a valid campus-based email account to send correspondence to a student. It is up to the student to ensure the correct email address is assigned to his/her profile within Blackboard. In order to assist the instructor in complying with student privacy regulations, the student is **required** to utilize an LRSC email account (or other official ND campus email account if you have one) rather than one from an external provider (Gmail, Yahoo, Hotmail, your employer, etc.).

Any notifications/changes/cancellations pertaining to the class will be posted in Blackboard and/or emailed. It is your responsibility to ensure your campus-based email account is checked on a regular basis. The student is responsible for checking Blackboard AND his/her email account on a regular basis. It is highly recommended the student checks his/her email at least once per day.

SPECIAL NOTES / ITEMS TO REMEMBER for Online classes:

- A college wide emergency, such as a pandemic, may necessitate changes in the posted course structure.

    o In event of a major campus emergency or closure, the course requirements, deadlines, and grading percentages on the official syllabus are subject to change. The instructor will notify you of such changes by email.

DIVISION MISSION STATEMENT:

Business Division Mission Statement
The Business Division strives to be responsive to the needs of students, business, and industry. The division is dedicated to providing a quality-learning environment, utilizing various instructional methods and delivery systems so that the needs of students may be best addressed. The Division utilizes the most advanced technologies available to respond to the changing demands of business and maintains a quality student-centered learning environment.