



# CSCI 172 – Intermediate Visual BASIC COURSE SYLLABUS

## SEMESTER

Spring 2021 (2130)

## COURSE NAME

Beginning BASIC/Visual BASIC

## COMMON COURSE NUMBER

CSCI 172

## CLASS NUMBERS

17462 (LRSC), 15779 (MISUB), 16113 (MISUB), 16195 (MISUB), 17559 (WSC)

## 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, Monday through Friday.

## 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

Search the knowledge base or submit a support ticket at the NDUS helpdesk site at <http://helpdesk.ndus.edu>

## CLASS DAYS AND TIMES

Online

## ROOM NUMBER

Online

## LOCATION

Online

## LAB HOURS

Online

## PREREQUISITES

Completion of CSCI 122 with a C or higher grade

## CATALOG DESCRIPTION

Advanced techniques in programming in a high-level language. Topics include recursion, pointers, and fundamental data structures and their use in developing small to medium-scale programs.

## MATERIALS OF INSTRUCTION

Textbook: Clearly Visual Basic: Programming with Microsoft Visual Basic 2017, Eighth Edition, by Zak, Diane, Cengage Learning, 2018, ISBN 978-1-337-10212-4. A USB storage drive is recommended for storing student work files. Software: Visual Studio 2017 or Visual Studio 2019.

## COURSE OBJECTIVES

Students will expand on concepts learned in the Beginning Visual Basic course along with learning more advanced programming concepts. Students learn how to work with Arrays, creating menus, reading/writing files, working with classes and objects, working with a SQL database, and creating a web application.

## 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 8: Arrays

Chapter 9: Sequential Access Files and Menus

Chapter 10: Classes and Objects

Chapter 11: SQL Server Databases

Chapter 12: Database Queries with SQL

Chapter 13: Web Site Applications

## 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 Basic 2017 to design applications by making use of variables and constants, selection and repetition structures, and assignment statements.

## ASSESSMENT TOOLS

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

Review Questions @ 5-10 pts each

Discussion topics @ 10 pts each

Programming/Misc. Assignments @ 15-30 pts each

Chapter Quizzes @ 15 - 35 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. Visual Basic 2017 or 2019 **is required** for this course. Use of other versions of software not specifically used in the course, or otherwise authorized by the instructor, is not allowed. Do not attempt to use other versions of Visual Basic for this course. Assignments submitted using other versions of Visual Basic will 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 the online course for communication with the instructor.

Designated assignments are DUE at the date/time that is listed in the course calendar, unless otherwise noted/changed by the instructor. If an assignment is submitted up to one calendar day late, you may be granted up to 50% credit. 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. Any assignments submitted more than one calendar day late may receive no credit. Acceptance of late assignments for partial credit is at the discretion of the instructor. Quizzes/tests must be completed by the due date or no credit will be given.

The instructor reserves the right to make exceptions for unusual circumstances, on a case-by-case basis, and the instructor's decision is final.

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.

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](http://www.lrsc.edu). Click on My LRSC, then Blackboard.

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

For assistance, see the LRSC Website or call: <https://www.lrsc.edu/student-life/computer-help-center>

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.
  - 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.

#### MISSION STATEMENTS

##### **Lake Region College Mission Statement**

*We enhance lives and community vitality through quality education.*

##### **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.*