

KISHWAUKEE COLLEGE SYLLABUS

Semester, Year: Fall 2015

Title of Course (# of Credits): Visual Basic Programming, 3 credit hours

Prefix, Course Number, Section: CIS 110 3001

Class day(s), Class time, Class Location: Monday and Wednesday 11:00 AM - 12:15 PM, A 1350

Start and end dates: 08/24/2015-12/18/2015

Instructor name: Susan Grever

Office location: A 1343

Office hours: Monday 10:30-10:50 AM and 1:50-2:20 PM, Tuesday 12:30-1:20 PM and 5:30-5:50 PM, Wednesday 10:30 -10:50 AM and 1:50-2:20 PM, Thursday 12:30-1:30 PM and 5:30-5:50 PM.

Office phone or Administrative Assistant: (815) 825-2086 ext. 3230
Division Secretary- Maria at Kishwaukee College 815-825-2086 x2830

Office hour by appointment: Times may be requested Monday, Tuesday, Wednesday, and Thursday.

Instructor Kishwaukee College email: susan.grever@kishwaukeecollege.edu
D2L Instructor email: sgrever@kish.desire2learn.com (preferred for class correspondence)

COURSE DESCRIPTION

A first course in Visual Basic introducing fundamental tools, statements, properties, and events. The interactive nature of Visual Basic will be emphasized. Programming assignments will be completed outside of class. Familiarity with Windows is recommended. Three hours lecture/discussion a week.

Prerequisite: None

IAI Number: None

STUDENT LEARNING OUTCOMES (SLO)

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

1. design and code simple applications.
2. create and execute applications using essential tools such as forms, and controls.
3. use event-driven programming and the user interface to solve problems.
4. identify and use various objects and their associated properties, methods, and events.
5. write code using selection and repetition control structures.
6. create applications that use sequential access data files.
7. access and query data stored in a database.
8. use data structures including arrays, structures and classes.

TEXT

Required:

Zak, Diane. *Clearly Visual Basic® Programming with Microsoft Visual Basic 2012®*. Third Edition. Boston, MA: Course Technology, 2014.

REQUIRED STUDENT MATERIALS

1. Access to a computer with Internet access.
2. Microsoft Visual Studio 2012 Professional or Visual Basic 2012 Express.
3. USB drive or some method to store and transport files.
4. Files for completing exercises in the book will be available from Brightspace by D2L.

ADDITIONAL STUDENT REFERENCES AND THEIR LOCATION

- Class handouts, notes, quizzes, exam, homework assignments will be in Brightspace by D2L.
- The book website is available at: www.cengagebrain.com. Create a log in and you will have access to videos and practice quizzes.

BREAKDOWN OF COURSE REQUIREMENTS

Item	Points per Item	Total Points
Final Exam	150 points	150 points
Midterm Exam	100 points	100 points
5 Programming Projects	30 points each	150 points
7 Labs (8 possible, lowest dropped)	15 points	105 points
12 quizzes (13 possible, lowest dropped)	10 points each	120 points
total points		625
Exams 40.0%, programming projects 24%, labs 16.8%, quizzes 19.2%		

There are 8 labs and 13 quizzes for the semester. The lowest lab and quiz score will be dropped.

FINAL GRADE DETERMINATION:

Grade reports will not be mailed out. Please check KishSOS, My Student Info, under Academic Profile, Grades, for grade reports.

A 90 - 100% of total points (625-562)

B 80 - 89.9% of total points (561-500)

C 70 - 79.9% of total points (499-437)

D 60 - 69.9% of total points (436-375)

F below 60% of total points

Grades will be figured on the total points possible for the semester. Should the actual total points vary from the proposed total points, the grades will be calculated on the actual total points.

TENTATIVE COURSE OUTLINE: *Course outline is subject to change.*

This is a tentative schedule. See the schedule page on the instructor's website or in D2L for more details, assignments and assignment due dates, notes and any changes.

Week 1: Aug 24 - Syllabus, Getting Visual Basic software, brief overview of software
Aug 26 - Chapter 1 and 2: Control structures, sequence, selection, repetition, the problem solving process

Week 2: Aug 31 - Chapter 3 and 4: The Visual Basic 2012 IDE, creating an application, solution explorer, properties window, forms and the user interface. Designing a user interface. Chapter 1 and 2 quiz due

Sept 2 - Chapter 5: Assignment statements, comments, the Val() function, memory locations and variables, data types, rules for variable names, the Dim statement.

Week 3: Sept 7 Labor Day - Campus Closed

Sept 9 - Chapter 6: Using variables in calculations, use the TryParse method, named constants, using ToString to format output. Chapter 3 and 4 quiz due.

Week 4: Sept 14 - Chapter 7 Lab 1: syntax errors and bugs, logic errors, using breakpoints to find errors.

Sept 16 - Lab 2, variables, conversions and calculations. Chapter 5, 6 and 7 quiz due

Week 5: Sept 21 - Chapter 8 and 9: Decisions, If...Then...Else statements, relational operators, nesting decision structures and logical operators.

Sept 23 - Chapter 10 and 11: If...Then...ElseIf...Else and Select Case, radio buttons, strings,

selecting test data, MessageBoxes and the KeyPress event. Chapter 8 and 9 quiz and programming project 1 due

Week 6: Sept 28 - Lab 3 Decision Lab. Chapter 10 and 11 quiz due

Sept 30 - Chapter 12 and 13: Loops, pretest loops, counters, accumulators, abbreviated assignment statements; post test loop; counter controlled loops.

Week 7: Oct 5 - Chapter 14 and 15: For...Next, ControlChars.NewLine and the concatenation operator & to put text together Chapter 12 and 13 quiz.

Oct 7 - My feature, audio, nested loops, text box properties ScrollBars, Multiline and ReadOnly. Programming project 2 due

Week 8: Oct 12 - Lab 4 Repetition lab. Chapter 14 and 15 quiz due

Oct 14 - Midterm Exam - Written & Hands-On, Chapter 1 - 15

Oct 16 - Mid semester break - Campus Closed

Week 9: Oct 19 - Review Midterm exam. Chapter 16 Sub procedures, calling procedures, arguments and parameters

Oct 21: Function procedures, create a function and call a function, arguments and parameters

Week 10: Oct 26 - Finish Sub Procedures and Functions

Oct 28 - Lab 5 Sub Procedures and Functions. Chapter 16 and 17 quiz due and

Week 11: Nov 2 - Chapter 18 and 19 One dimensional arrays, Parallel and Dynamic Arrays

Nov 4 - Finish arrays, Chapter 20 double subscripted arrays. Programming Project 3 due

Week 12: Nov 9 - Lab 6 Arrays. Chapter 18, 19 and 20 quiz due.

Nov 11: Chapter 21 Structures;

Week 13: Nov 16 - Chapter 22 Sequential Access Files, Search.

Nov 18: Lab 7 Structures and Files. Chapter 21 and 22 quiz due

Week 14: Nov 23 - Chapter 23 String Manipulation

Nov 25: Finish string manipulation and review arrays and structures. Chapter 23 quiz due.

Programming Project 4 due. Thanksgiving break starts at 5:00 PM

Nov 26 - 28 Thanksgiving break

Week 15: Nov 30 - Chapter 24 Database access, querying a Database

Dec 2 - Finish database access, Try...Catch. Chapter 24 and 25 quiz

Week 16: Dec 7 - Chapter 26 Building Your Own Classes and Objects

Dec 10: Work on programming project 5, review. Chapter 26 quiz due and Programming Project 5 due.

Final Exam Week - Dec 14: Monday 10:00-11:50 AM Final Exam, Comprehensive Programming, Written Chapters 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

MAKE-UP POLICY

ASSIGNMENTS:

All assignments are submitted in Desire2Learn with a specified date and time. Once the drop box for an assignment is closed (the due date and time is passed) it will not be possible to submit the assignment. No assignments will be accepted once the drop box is closed **unless prior arrangements have been made**. If you cannot turn in an assignment on time you must e-mail the instructor at least 12 hours prior to the assignment due date and time. If you are having trouble completing the assignment and you cannot make office hours please email the instructor in Desire2Learn before the assignment is due and include your current code. Assignment drop boxes are available for one week.

LABS:

In class labs must be done in class and cannot be made up. The lowest lab score will be dropped when calculating final grades.

Quizzes:

Quizzes CANNOT BE MADE UP. Quizzes are available for a one week period in D2L and as such are considered take home assignments.

Exams:

Exams are to be taken at the day and time scheduled. In the case of an excusable absence or illness, the instructor **MUST BE NOTIFIED IN ADVANCE**. A makeup of that exam will be scheduled at the instructor's convenience. If the instructor has not been notified before your return to class, there will be no makeup of that exam. No final exams will be given before the last regular class date.

ATTENDANCE POLICY

All students are expected to attend class on time and to be prepared to work. Students should be sure to have read the assigned reading and be ready to work with the material assigned. Should you miss a class it is your responsibility to determine what was covered during your absence. Please use the class schedule posted on the instructor's website.

OTHER COURSE REQUIREMENTS

ASSIGNMENTS:

The programming projects completed in this class will be submitted in Desire2Learn. The drop box will be open for one week with the instructions for the assignment. To submit the assignment you will need to zip all the files in the solution folder using Windows Explorer or My Computer. Practice submitting an assignment will be done in class. Because of the nature of Visual Studio do not use Save As when saving your files. It is the student's

responsibility to see that they can successfully upload the complete project to Desire2Learn. Assignments received in any other format cannot and will not be graded.

LABS:

In class labs must be done in class. Instructions will be released at the beginning of class. Students must submit the zipped lab project in the appropriate Desire2Learn drop box. Print out the source code and hand it before you leave class.

EXAMS:

The midterm and final exam have two components. One component is a multiple choice, true/false, and/or short answer exam. For this component there are no books or notes. The second component is a programming exercise. You will be given the specifications of a problem and will then have a set time to program the working solution. Books and notes may be used for the programming portion of the exams.

BEHAVIOR:

Students are expected to show respect toward other students and their work. Behavior inconsistent with this goal is NOT allowed in the classroom and is grounds for expulsion from the class.

ACADEMIC HONESTY FOR THIS CLASS:

Programming projects submitted to the instructor will be compared for similarities. If the instructor finds that assignments are too similar they will be given to another instructor for review. If that instructor concurs, a score of 0 will be given to both students on that assignment. Students found cheating on an exam will be given a grade of 0 for the exam. Students found cheating may be reported to the dean and the Vice President of Student Services.

CELL PHONES:

All cell phones and pagers must be turned off when entering the classroom. If you are expecting an emergency call during class, please advise the instructor before class starts so that an exception to this rule may be made. Any student using a cell phone during an exam will be assumed to have finished the exam at that time and the exam will be collected for grading immediately.

COMPUTER LABS:

Please be aware that students are expected to spend time outside of class completing assignments. If you do not have a computer at home with the necessary software, you will need to use the computer lab. The schedule is posted at the lab. **Food and beverages are not permitted in the lab or the classrooms.** Lab assistants are available at certain times for assistance with technical problems, but may not be able to help with specific questions about software operations and/or assignments.

E-MAIL:

All class email correspondence should be sent with the email provided by Desire2Learn using sgrever@kish.desire2learn.com. All email received in Desire2Learn is answered first,

usually within 24 hours. Email send to the instructor's regular e-mail account, susan.grever@kishwaukeecollege.edu account should only be used in case of a failure of the Desire2Learn server. If a student uses the regular account the email will be treated as non critical and answered when time permits, usually within one week.

CLASS WITHDRAWAL

A "W" cannot be given as a final grade. The student is responsible for officially withdrawing from the class according to procedures described in the college catalog. Any student that does not officially withdraw from the class will receive a letter grade. The last date for withdrawal for this course can be found at "My Class Schedule" on KishSOS. Kishwaukee College reserves the right to administratively withdraw at midterm those students who are not actively pursuing course objectives or who are in violation of standards of behavior as outlined in the Student Code of Conduct and Discipline. For a copy of the student conduct policy, contact the Vice President of Student Services Office or refer to the Kishwaukee College catalog.

INCOMPLETE GRADE

All course requirements must be completed by the end date for the course. In the event that extremely difficult circumstances merit granting a student more time to finish course requirements, an "Incomplete" (I) grade may be given. Taking an Incomplete is possible only at the instructor's discretion. To receive an Incomplete, a contract between the student and the instructor must be completed and approved regarding the completion of all remaining work within a strictly defined period of time. If the conditions of the contract are not met, an "I" grade may revert to an "F".

CLASS CANCELLATIONS

Class cancellations due to inclement weather will be posted on the College Website: www.kishwaukeecollege.edu. or announced by the local radio stations. Students may also call the College at (815) 825-2086. Class cancellations due to instructor absence will be posted on the classroom door and posted at www.kishwaukeecollege.edu/class_cancellations. Room changes will be announced in advance whenever possible and posted on the classroom door.

ACADEMIC DISHONESTY

In order to evaluate student work, faculty must be able to trust that the work is original with a student and not the work of someone else. Cheating, falsifying information, forgery, plagiarism, and other dishonest actions will not be tolerated. Sanctions for academic dishonesty are at the discretion of the instructor and subject to appeal as provided in Student Code of Conduct and Discipline. A complete explanation of the policy and procedures surrounding academic dishonesty are outlined in the Kishwaukee College Catalog.

COPYRIGHT

As a Kishwaukee College Student, you may have copyrighted materials or software made available to you by the college for course use. Please understand that copyright law may prohibit copying these materials. Violation of copyright laws can lead to prosecution for a criminal offense. You are required to abide by the specific copyright and licensing agreements that apply to each particular piece of software.

RECORDING OF CLASSES/PRESENTATIONS:

Kishwaukee College prohibits students from electronically recording class lectures and presentations (either by audio, video, picture, or otherwise) unless certain qualifying conditions are met. For more information about this College procedure and the qualifying conditions, please visit: <http://www.kishwaukeecollege.edu/go/recordingclasses>

GRADUATION REQUIREMENTS FOR TRANSFER DEGREE STUDENTS

All students intending to graduate with an A.A., A.S., A.E.S., or A.F.A. are required to submit a complete Degree Portfolio. The Degree Portfolio is a means for the institution to measure its effectiveness in preparing students for successful completion of a degree at a transferring institution. Save your college-level work throughout your academic career in order to facilitate the portfolio compilation. Also, submit a completed application for graduation from the college the semester that you plan on graduating prior to submitting the complete Degree Portfolio. Guidelines and the specific requirements (along with the rubrics used for assessment) for the Degree Portfolio can be found at www.kishwaukeecollege.edu/portfolio.

ASSISTIVE RESOURCES CENTER/DISABILITY SERVICES

Any student with a documented disability or special learning need and wanting to request accommodations, should contact the Coordinator in A1317 or at (815) 825-2086 ext 3960, (815) 825-9106 (TTY), or send an email to awilson@kishwaukeecollege.edu. The student's disability must impact their ability to participate in the educational environment and be documented by an appropriate professional prior to accommodations being approved.

LEARNING SKILLS CENTER (A1300)

Students must present their Kishwaukee College student ID when using any Learning Skills Center services. For more information on the Learning Skills Center go to <http://www.kishwaukeecollege.edu/go/lsc>. Tutoring is available to all Kishwaukee students free of charge. The Writing Center (Learning Skills Center, A1306) answers your writing-related questions regardless of the class or assignment. Students are expected to bring all material related to the assignment, including textbooks, paper prompts, etc. Make-up tests, online tests, and placement tests are available through Testing Services, also located in the Learning Skills Center

EMERGENCY PROCEDURES/SAFETY

Yellow and red Emergency Information flipcharts are located in each classroom. These are quick reference sheets with telephone numbers to reach emergency assistance and a brief description of the correct actions to take in the event of a tornado, fire or other emergency on campus.

RELIGIOUS OBSERVANCES

Students faced with schedule conflicts related to a religious observance should make prior arrangements with the instructor a minimum of seven (7) school days in advance of the examination or other activity involved.

STUDENT E-MAIL

Your Kishwaukee College e-mail account will be the only way to receive official notices from the College. If you choose to forward your e-mail to another account, please be advised that all communication from and within the college will use your Kishwaukee student e-mail. When communicating with instructors or employees of the college, you are required to use your Kishwaukee e-mail address.

COMMUNITY RESOURCES

There are numerous community resources that are available to assist students in addressing a variety of personal needs. A listing and description of community resources can be found at <http://www.kishwaukeecollege.edu/go/communityresources>