



SYLLABUS

Course: CIS 3331 – Visual Basic Programming
Meeting times: MW 5:30 pm to 6:45 pm
Instructor: Marco A. Villarreal
Telephone: 254-519-5475 (Office), 210-446-7171 (Cell)
Office location: FH 323H
Office Hours:
Monday & Wednesday 4:30 - 5:30
Tuesday & Thursday 3:00 - 4:00 p.m.
Also by appointment
Department: College of Business/CIS Department, FH 3.323
Department Phone: 254-519-5437
Department Email: cobainfo@tamuct.edu
Department Fax: 254-501-5825

Term: Fall 2017
Meeting location: FH 308
Email: Use Canvas First
drmvillarreal@tamuct.edu

Class Website: Canvas: <https://tamuct.instructure.com> For questions and technical support on using Canvas, please contact the Canvas help desk at: (254)519-5466 or (979)845-8300.

Student-instructor interaction:

My preference is to have contact with students via Canvas first, then e-mail. Urgent or complicated issues, feel free to call me or come by my office. (Try to avoid texting, if possible)

911 Cellular:

Emergency Warning System for Texas A&M University – Central Texas
911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911 Cellular through their myCT email account.

Connect at 911Cellular [<https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management>] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

COURSE INFORMATION

1.0 Course Overview and Description:

CIS 3331 is an enhanced coverage of visual application development using Visual Basic and the native integrated development environment. This course covers logic, working with forms, sequential and direct file access, scope and visibility rules, and numerous additional Visual Basic topics. The student will analyze and program several problems.

Prerequisite: CIS 1303 or 3300, and CIS 1310 or 3303 or concurrent enrollment or approval of School Director.

2.0 Course Objective:

The objectives of this course offering are to provide an introduction to computer programming. It is designed for students who have no prior programming background. The student will not only learn how to use the various controls, constructs, and features of Visual Basic, but also learn why and when to use them.

2.1 Student Learning Outcomes:

- Demonstrate the knowledge of the Visual Studio .NET Integrated Development Environment.
- Define and contrast low-level and high-level programming languages.
- Discuss the differences between event driven programming and procedural programming.
- Discuss how procedures are used to allow application modularity.
- Distinguish between function procedures and sub procedures.
- List the built-in data types of VB and demonstrate their use.
- List the arithmetic and relational operators and demonstrate their use.
- Discuss the importance of using comments in code.
- Discuss the importance of the debugger and breakpoints.
- Discuss and demonstrate Graphical User Interface design guidelines.
- Discuss and demonstrate the use of variables and variable scope.
- Discuss and demonstrate passing arguments by value and by reference.
- Discuss and demonstrate the use of Visual Basic statements.
- Discuss and demonstrate the use of Arrays.
- Discuss and demonstrate the use of Strings.
- Discuss and demonstrate the use of Sequential File I/O.

3.0 Required Reading and Textbook(s):

Authors: Gaddis, Tony and Kip Irvine

Book: Starting Out With Visual Basic, 7th Edition

Editor: Pearson

ISBN: 978-0-13-440015-0

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Supplemental Material: The course textbook will be supplemented with other materials including handouts, oral presentations, industry articles, research paper readings, case

studies, Power Point presentations etc.

Required Reading: The student is expected to read and review all material presented in the assigned chapter prior to class.

Visual Studio 2015 is available to students at no cost through Microsoft Imagine (formerly: Dreamspark) or through Visual Studio 2015 community. To setup a Microsoft Imagine account, visit the computer lab in Warrior Hall.

COURSE REQUIREMENTS

4.0 Course Requirements:

4.1 Tutorials (15 points each chapter) / Challenges (35 points each chapter):

All assignments are submitted through the Canvas CIS 3331 web site. All submissions require a zipped copy of your complete programming solution that allows me to unzip, open and run your solution in Visual Studio 2015 environment. Please include your full name and assignment identification in the zipped folder file name (ex: Villarreal_CH1_Ch101.zip). You should also note that archives such as .rar, .gz, .tar, .7z, (among others) are not zip archives. Assignment submissions failing to provide the specified naming, identification, and format will not be accepted for grading and sent back. All assignments are due on the specified due date and time. Late submissions will be penalized 10% of grade per day late.

4.2 Exams

Missed examinations will receive a grade of zero without proper notification. Only students who present a compelling and documented explanation to the department head may arrange for a make-up examination. If accepted, late submissions will be penalized 10% of grade per day late.

Midterm Exam (200 points):

Final Exam (200 points):

5.0 Grading Criteria:

Required Activity	Quantity	Points	Total
Ch. Tutorials	12	15	180
Ch. Challenges	12	35	420
Mid-Term	1	200	200
Final	1	200	200
Total			1,000

Point Range	Letter Grade
1,000-900	A
899-800	B
799-700	C
699-600	D
599-0	F

COURSE OUTLINE AND CALENDAR

6.0 Complete Course Calendar:

Important Dates

August 28, 2017 Monday First day of fall semester classes

August 28, 2017 Monday Add/Drop/Late Registration Begins

August 30, 2017 Wednesday Add/Drop/Late Registration Ends

September 4, 2017 Monday Labor Day - Holiday

September 13, 2017 Wednesday Last day to drop courses with no record (16-week classes)

October 6, 2017 Friday Deadline to submit graduation application for participation in the commencement ceremony

October 20, 2017 Friday Welcome Back Picnic

November 3, 2017 Friday Last day to drop a course with a "Q" or withdraw with a "W" (16-week classes)

November 10, 2017 Friday Veterans Day

November 23-24 November 23-24 Thanksgiving

December 6, 2017 Wednesday Last day to file for Degree Conferral (Registrar's Office)

December 8, 2017 Friday Restricted Student Activities period

December 15, 2017 Friday Last day to withdraw from the university

December 15, 2017 Friday Fall Term Ends

Tentative Schedule*

Week	Date	Chapter(s)	Assignment(s) Due
1	8/28	Syllabus / Introduction	
	8/30	Chapter 01 - Introduction to Programming and Visual Basic	
2	9/4	Labor Day – University Closed – No Class	View all Chapter 1 videos
	9/6	Chapter 01 – Continued	
3	9/11	Chapter 02 - Creating Applications with Visual Basic	View all Chapter 2 videos Ch.01 Tutorials Ch.01 Challenges
	9/13	Chapter 02 - Continued	
4	9/18	Chapter 03 - Variables and Calculations	View all Chapter 3 videos Ch.02 Tutorials Ch.02 Challenges
	9/20	Chapter 03 - Continued	
5	9/25	Chapter 04 - Making Decisions	View all Chapter 4 videos Ch. 03 Tutorials Ch. 03 Challenges
	9/27	Chapter 04 - Continued	
6	10/2	Chapter 05 - Lists and Loops	View all Chapter 5 videos Ch. 04 Tutorials Ch. 04 Challenges
	10/4	Chapter 05 - Continued	
7	10/9	Chapter 06 - Procedures and Functions	View all Chapter 6 videos Ch. 05 Tutorials Ch. 05 Challenges Ch. 06 Tutorials Ch. 06 Challenges
	10/11	Chapter 06 - Continued	
8	10/16	Midterm Exam	View all Chapter 7 videos
	10/18	Chapter 07 - Multiple Forms, Modules, and Menus	
9	10/23	Chapter 07 - Continued	View all Chapter 8 videos Ch. 07 Tutorials Ch. 07 Challenges
	10/25	Chapter 08 - Arrays and More	
10	10/30	Chapter 08 - Continued	View all Chapter 9 videos Ch. 08 Tutorials Ch. 08 Challenges
	11/1	Chapter 09 - Files, Printing, and Structures	
11	11/6	Chapter 09 - Continued	Ch. 09 Tutorials Ch. 09 Challenges
	11/8	Chapter 10 - Working with Databases	
12	11/13	Chapter 10 - Continued	View all Chapter 10 videos
	11/15	Chapter 10 - Continued	
13	11/20	Chapter 11 - Developing Web Applications	View all Chapter 11 videos Ch. 10 Tutorials Ch. 10 Challenges
	11/22	Chapter 11 - Continued	
14	11/27	Chapter 12 - Classes, Collections, and Inheritance	Ch. 11 Tutorials Ch. 11 Challenges
	11/29	Chapter 12 - Continued	
15	12/4	Chapter 12 - Continued	View all Chapter 12 videos Ch. 12 Tutorials Ch. 12 Challenges
	12/6	Catch up day	
16	12/11	Final Semester Ends 12/15/17	Exam
*This syllabus and schedule are subject to change.			

UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES

7.0 Drop Policy

If you discover that you need to drop this class, you must complete a [Drop Request Form](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf) [https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf].

Professors cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the University Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

8.0 Academic Integrity

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

9.0 Academic Accommodations

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier free education. The Department of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the University's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](#) webpage

[<https://www.tamuct.edu/student-affairs/access-inclusion.html>].

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. For more information, please visit <https://www.tamuct.departments/index.php>. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines online](#), please visit the website [<http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>].

10.0 Tutoring

Tutoring is available to all A&M-Central Texas students, both on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Larry Davis at lmDavis@tamuct.edu.

Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access Tutor.com through Canvas.

11.0 The University Writing Center

Located in 416 Warrior Hall, the University Writing Center (UWC) at Texas A&M University-Central Texas is a free workspace open to all TAMUCT students from 10am-5pm Monday-Thursday with satellite hours in the University Library on Mondays from 6:00-9:00pm. Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via [WOnline](#) [<https://tamuct.mywconline.com/>]. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu to schedule an online tutoring session. Tutors are prepared to help writers of all levels and abilities at any stage of the writing process.

While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just

want a quiet place to work, the University Writing Center is here to help!

If you have any questions about the University Writing Center, please do not hesitate to contact Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu.

12.0 Library Services

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 72,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On-campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available twenty-four hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our [Library website](https://tamuct.libguides.com/) [https://tamuct.libguides.com/].

13.0 Any Instructor Policies Related to Absence, Grading, ETC

1. Instructor reserves the right to modify the syllabus during the course of the semester for the benefit of the students.
2. Instructor reserves the right to supplement the material presented in the text with additional material that may benefit the students by either providing additional information or a different point of view.
3. Instructor expects that the students will act in a curious and professional manner in all interactions with other students and the instructor.
4. Instructor reserves the right to modify grading rubrics. Changes to grading rubrics are only made to current and possibly future assignments.
5. Instructor will not accept assignments after the last day of classes.