

CIS 14A Introduction Visual BASIC .NET Programming

Credit: 4.5 units

Instructor: Ed Ahrens, ahrensedward@fhda.edu

Days: Monday/Wednesday

Lecture: Monday/Wednesday 11:30-1:20 AT 204

Lab: Wednesday only 1:30-2:45 in AT 203, the main lab

Office Hours: Monday/Wednesday 2:45 – 3:15 in AT 203, the main lab

Description: An introduction to Visual BASIC .NET programming

- Problem solving, algorithms, and program design
- Programming, testing and debugging
- Event processing using
 - loops
 - arrays
 - procedures
 - subprograms
- Data storage with files; open, close, read, write
- Creation and management of forms
- Text boxes and List boxes
- Command buttons

Text: Schneider, David I. An Introduction to Programming Using Visual BASIC 2012, 9th ed, Prentice Hall 2014. 9780133378504.

Evaluation: 60% of grade: Six programming assignments (10 points per lab)
10% of grade: Midterm Examination (10 points)
25% of grade: Final Examination (25 points)
5% of grade: Codelabs (5 points)

During a quiz or examination do not look at anyone else's work.
Laboratory work must be your own work to the following extent:

1. Do not post your work on-line where others can copy it.
2. Do not copy anyone else's machine readable file.
3. Do not key anyone else's listing into the machine.
4. **DO LOOK AT OTHER STUDENTS WORK AND SHOW THEM YOURS**
5. As long as you are not copying other's work, discussion and exchange of ideas is strongly encouraged.
6. Be cooperative; give and receive suggestions.

Academic Integrity is required. Violation of any of the above requirements, or any other academic integrity violation, will usually result in a grade of 0 being given for the work involved and the possibility of a grade of F being given for the course.

<u>Final grade:</u>	<u>% of total points</u>	<u>Grade</u>
	98% or above	A+
	92% - 97%	A
	90% - 91%	A-
	88% - 89%	B+
	82% - 87%	B
	80% - 81%	B-
	78% - 79%	C+
	70% -77%	C
	Not Given	C-
	68% - 69%	D+
	62% - 67%	D
	60% - 61%	D-
	Not Given	F+
	below 60%	F
	Not Given	F-

<u>Date</u>	<u>Topics</u>	<u>Week</u>	<u>Chapters</u>	<u>Labs Due*</u>
Jan 2/4	Introduction, Controls/Events	1	1-1 to 1-4, 2-1 to 2-3	
Jan 11/13	Controls/Events cont., Variables, I/O	2	2-1 to 2-3, 3-1 to 3-3	1
Jan 18	HOLIDAY-Martin Luther King Day	-	NO CLASS	
Jan 20	Variables, I/O cont., Decision Making	3	3-1 to 3-3, 4-1 to 4-4	
Jan 25/27	Decision Making cont.	4	4-1 to 4-4	2
Feb 1/3	Procedures	5	5-1 to 5-4	
Feb 8/10	Procedures cont.	6	5-1 to 5-4	3
Feb 15	HOLIDAY-President's Day	-	NO CLASS	
Feb 17	MIDTERM EXAM , Procedures cont.	7	5-1 to 5-4	
Feb 22/24	Repetition	8	6-1 to 6-3	4
Feb 29, Mar 2	Repetition cont., Arrays	9	6-1 to 6-3, 7-1 to 7-4	
Mar 7/9	Arrays cont., Files	10	7-1 to 7-4, 8-1 to 8-3	5
Mar 14/16	Files cont.	11	8-1 to 8-3	
Mar 21	FINAL EXAM 11:30 – 1:30	12		6 (3/21/16)

*Labs are submitted electronically, and are **due by 6:00PM Thursday** of the week assigned, note that **lab 6 is due Monday, 3/21, the day of the Final Exam, NOT Thursday.**

CodeLab Exercises, by week:

Week 1: none assigned

Week 2: 20501, 40003, 40007, 40008, 40009

Weeks 3 and 4: 40019, 40020, 40029, 40031, 40033, 40036, 40037, 40038, 40039, 40040, 40049, 40052, 40053, 40055, 40056, 40058, 40059, 40060, 40061, 40062, 40108, 40109

Weeks 5, 6 and 7: 40073, 40074, 40075, 40076, 40077

Weeks 8 and 9: 40174, 40181, 40178, 40179, 40182, 40183

Week 10: 40195, 40196, 40197, 40199, 40204, 40207, 40210, 40212, 40214

Weeks 11 and 12: none assigned

CodeLab access:

REGISTRATION INSTRUCTIONS FOR STUDENTS:

- 1) Go to www.tcgo1.com OR www.tcgo2.com
- 2) Click '**Register for CodeLab**'
- 3) Choose '**I am a student in a course...**' and click **CONTINUE**
- 4) Enter the Section Access Code (**DEAN-22341-XQQY-27**) and click **CONTINUE**
- 5) Continue filling out the forms being careful to enter a **VALID** email address and first and last names (these will appear in the professor's roster), and make sure to enter your Student ID.

LOGIN INSTRUCTIONS FOR STUDENTS:

- 1) Go to www.tcgo1.com OR www.tcgo2.com
- 2) Click '**Login to CodeLab**'

The username is the email address given during registration.
The password is the password selected during registration.