

## CIS 14A Introduction Visual BASIC .NET Programming

**Credit:** 4.5 units

**Instructor:** Ed Ahrens, ahrensedward@fhda.edu

**Lecture:** Monday and Wednesday 11:30-1:20

**Lab:** Mondays only 10:00-11:15 in main lab, AT 203

**Office Hours:** Wednesday only 10:30-11:30 in main lab, AT 203

**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, 9<sup>th</sup> ed, Prentice Hall 2014. 9780133378504.

**Evaluation:**

- 60% of grade: Six programming assignments
- 10% of grade: Midterm Examination
- 25% of grade: Final Examination
- 5% of grade: Codelabs

**Working Together:** Working together on assignments is permitted. However, each person is expected to complete his/her own computer work. Identical work will receive a zero grade.

**Scholarly Conduct:** Please note, the DeAnza College Schedule, in the section titled "Academic Integrity," states that the submission of work which is not the product of a student's personal effort, or work which in some way circumvents the given rules and regulations, will not be tolerated. Any infraction of Academic Integrity will automatically result in a zero grade for the work, and may result in a failing grade for the course.

**Policies:**

1. Students may arrange for a Pass/No Pass grade option in Admissions and Registration Office
2. Late lab assignments will only be accepted before the subsequent lab is due. A 10% penalty (1 point) will apply for late labs.
3. Make up exams may only be scheduled in advance, and only in exceptional circumstances.
4. Three unexcused absences may result in your being dropped from the class, however, it is the student's responsibility to initiate the drop process

**Software:** Microsoft Visual BASIC is included with the textbook, and may be available for download after enrollment in the course through DreamSpark. Information provided in class.

**Final grade:**      % of total points                  Grade

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 5/7	Introduction, Controls/Events	1	1-1 to 1-4, 2-1 to	
Jan 12/14	Controls/Events cont., Variables, I/O	2	2-1 to 2-3, 3-1 to	1
Jan 19	<b>HOLIDAY-Martin Luther King Day</b>	-	<b>NO CLASS</b>	
Jan 21	Variables, I/O cont., Decision Making	3	3-1 to 3-3, 4-1 to	
Jan 26/28	Decision Making cont.	4	4-1 to 4-4	2
Feb 2/4	Procedures	5	5-1 to 5-4	
Feb 9/11	Procedures cont.	6	5-1 to 5-4	3
Feb 16	<b>Holiday-President's Day</b>	-	<b>NO CLASS</b>	
Feb 18	<b>MIDTERM EXAM</b> , Procedures cont.	7	5-1 to 5-4	
Feb 23/25	Repetition	8	6-1 to 6-3	4
Mar 2/4	Repetition cont., Arrays	9	6-1 to 6-3, 7-1	
Mar 9/11	Arrays cont., Files	10	7-1 to 7-4, 8-1	5
Mar 16/18	Files cont.	11	8-1 to 8-3	
Mar 23	Files cont. <b>Review for Final</b>	12	8-1 to 8-3	
Mar 26	<b>FINAL EXAM 11:30 – 1:30</b>			6

\*Labs are submitted electronically, and are **due by 6:00PM Friday** of the week assigned, note that lab 6 is due the day of the Final Exam, **NOT** Friday.

### 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, 40502, 40181, 40178, 40179, 40182, 40183

Week 10: 40500, 40195, 40196, 40197, 40199, 40204, 40207, 40310, 40212, 40214

Weeks 11 and 12: none assigned