# Programming Theory and Applications
# M&IS 34070
# Spring 2013

**Section:** 001
**CRN:** 15532
**Location:** BSA 205
**Meeting Day:** MW
**Meeting Time:** 11:00-12:15

**Instructor Information:**
**Name:** Professor Janet Formichelli, MS
**E-mail:** jformich@kent.edu
**Office Location:** BSA A410
**Office Hours:**
M 12:30-1:30 PM
T 2:00-2:45, 4:30-5:15 PM
W 12:30-1:30 PM
R 2:00-2:45, 4:30-5:15 PM
**Office Phone:** 330-672-1159, during office hours (e-mail preferred)

**Course description:** An introduction to programming in a standard object-oriented language with an emphasis on problem-solving.

**Prerequisite:**
M&IS 24065, Web Programming
Students attending the course who do not have the proper prerequisite risk being deregistered from the class.

**Enrollment:**
Students have responsibility to ensure they are properly enrolled in classes. You are advised to review your official class schedule (using Student Tools on FlashLine) during the first two weeks of the semester to ensure you are properly enrolled in this class and section. Should you find an error in your class schedule, you have until Sunday, January 27, 2013 to correct the error. If registration errors are not corrected by this date and you continue to attend and participate in classes for which you are not officially enrolled, you are advised now that you **will not** receive a grade at the conclusion of the semester for any class in which you are not properly registered.

**Learning Outcomes:**
- To solve problems and implement these solutions, presently using the Visual Basic .NET programming language
- To follow structured programming rules
- To follow programming conventions
- To use debugging tools

**Summary of key components of the course:**

- Variables and data types
- Memory concepts
- Naming rules and conventions
- Language syntax
- Sequence, selection and repetition control structures
- The principles of structured programming
- Methods
- Data validation
- Forms and user interface design
- Debugging—recognizing and handling compiler (syntax) errors, execution (run-time) errors and logical errors
- Arrays
- Basic object-oriented programming concepts
- Reading from/writing to a sequential access file

**Textbook:**

| | |
|---|---|
| Title: | Programming in Visual Basic 2010 |
| Author: | Julia Case Bradley & Anita Millspaugh |
| ISBN: | 978-0-07-351725-4 |
| Publisher: | McGraw-Hill Higher Education |
| Pub. Date | July 28, 2010 |

**Software:**
We will be using Visual Studio 2010 Professional. It is available for download at https://www.dreamspark.com/ . Follow the instructions for students.

**Blackboard Learn**

The Blackboard Learn site, https://learn.kent.edu , will basically manage the course. The syllabus, assignments, Power Point slides, and other course information will be found there. If you need help with Blackboard Learn, there should be some training material on the site after you log on.

**Course Requirements:**

| | |
|---|---|
| 6 programming assignments: (25 points hw1, 35 points hw2-6) | 200 points |
| 3 course exams: (50 points each) | 150 points |
| | 350 points |

**Grading Scale:**
This scale is followed closely. There is no rounding up if you are close.
There is no extra credit.

Once I have completed grading for the semester I will enter grades into Blackboard Learn and on Flashline. Per university policy, "once grades are submitted, they are final and will not be changed except in the cases of administrative error". There are no exceptions to this policy.

A (4.0) 93-100
A- (3.7) 90-92
B+ (3.3) 87-89
B (3.0) 83-86
B- (2.7) 80-82
C+ (2.3) 77-79
C (2.0) 73-76
C- (1.7) 70-72
D+ (1.3) 67-69
D (1.0) 60-66
F (0.0) 0-59

**Labs:**
There will be labs occasionally during which you can work on assignments and also get help from the instructor. The labs will take place in BSA 224. If you elect not to attend labs, please do not expect me to help you during office hours. If you do go to labs and need more help, feel free to come to my office. But I have many students and I am making time for you during class, so please use this time if you need it.

**E-mail:**
When there are schedule changes or other announcements, the instructor will e-mail you using your KSU e-mail address. Check this frequently. If you commonly use another address, forward your Kent e-mail to that address. In your Google e-mail, go to Settings and then Forwarding and POP/IMAP.

**Attendance:**
Missing class is not an excuse for failure to understand material or complete assignments. Material covered in class will not be covered again outside of class. It is up to you to read the material and get notes from another student if you miss class Do not expect any help during office hours or by e-mail if you do not attend class regularly.

**Homework Assignments:**
Assignments are to be submitted to Blackboard Learn. Absence from class is not an excuse for not having submitted the assignment. You may re-submit assignments up to the time the assignment is due with no penalty. After that, late assignments will be penalized 10% per day (not per class session). Assignments can not be submitted after one week beyond the due date.

**Make-up Exams:**
Make-up exams are given only under extraordinary circumstances. Inform the instructor as soon as possible (ideally before the exam). Some form of written excuse for absence from an exam is required.

**Academic Honesty:**

College of Business Policy: Cheating means to misrepresent the source, nature, or other conditions of your academic work (e.g., tests, papers, projects, assignments) so as to get undeserved credit. In addition, it is considered to cheating when one cooperates with someone else in any such misrepresentation. The use of the intellectual property of others without giving them appropriate credit is a serious academic offense. It is the University's policy that cheating or plagiarism result in receiving a failing grade for the work or course. Repeat offenses result in dismissal from the University.

Course Policy: Academic honesty is expected and required. HELPING fellow students is acceptable, and is actually a very good way to learn the material (particularly with debugging programs). COPYING is NOT acceptable, and will result in loss of credit for the assignment, and possibly failure of the course for all students involved. If copying programs is suspected, both (or all) students involved will receive zeros for that assignment at the least, and possibly a failure for the course. DO NOT GIVE OTHERS YOUR CODE. If they ask you for it, ask to see theirs instead and help them debug.

**Students with Disabilities:**
University policy 3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

**Graduation:**
If you are eligible to graduate, it is your responsibility to apply for graduation before the set deadline (May Graduation: Apply before September 15th August Graduation: Apply before December 15th December Graduation: Apply before March 15th) If you apply after the deadline you will be assessed a $200 late fee. Please see your academic advisor as soon as possible if you are uncertain as to your progress toward graduation. To apply for graduation complete the following steps: Log onto your Flashline account 1. Click on the Student Tools tab, 2. Look in the Graduation Planning Tool Box, 3. Click on Application for Graduation
If an error message appears, you must contact your advisor.

**See Tentative Schedule Below**

| | | | | |
|---|---|---|---|---|
| Week 1 | Monday | Jan. 14 | Chapter 1 | |
| | Wednesday | Jan. 16 | Chapter 1 | |
| | | | | |
| Week 2 | Monday | Jan. 21 | No Class | *Martin Luther King Day* |
| | Wednesday | Jan. 23 | Chapter 2 | Lab |
| | | | | |
| Week 3 | Monday | Jan. 28 | Chapter 2 | |
| | Wednesday | Jan. 30 | Chapter 3 | |
| | Thursday | Jan. 31 | | **Assignment 1** |
| | | | | |
| Week 4 | Monday | Feb. 4 | Chapter 3 | |
| | Wednesday | Feb. 6 | Chapter 3 | Lab |
| | | | Financial Functions | |
| | | | | |
| Week 5 | Monday | Feb. 11 | Chapter 3 | |
| | Wednesday | Feb. 13 | Chapter 4 | |
| | Thursday | Feb. 14 | | **Assignment 2** |
| | | | | |
| Week 6 | Monday | Feb. 18 | | **Exam 1—Chp. 1,2,3** |
| | Wednesday | Feb. 20 | Chapter 4 | |
| | | | | |
| Week 7 | Monday | Feb. 25 | Chapter 4 | |
| | Wednesday | Feb. 27 | Chapter 5 | Lab |
| | | | | |
| Week 8 | Monday | Mar. 4 | Chapter 5 | |
| | Wednesday | Mar. 6 | Chapter 5 | |
| | Thursday | Mar. 7 | | **Assignment 3** |
| | | | | |
| Week 9 | Monday | Mar. 11 | Chapter 6 | |
| | Wednesday | Mar. 13 | Chapter 6 | Lab |
| | | | | |
| Week 10 | Monday | Mar. 18 | Chapter 6 | |
| | Wednesday | Mar. 20 | | **Exam 2—Chp. 4,5,6** |
| | Thursday | Mar. 21 | | **Assignment 4** |
| | Sunday, | Mar. 24 | | *Last Day to Withdraw* |
| | | | | |

| | | | | |
|---|---|---|---|---|
| | | Mar. 25 | | *Spring Break* |
| | | Mar. 27 | | *Spring Break* |
| | | | | |
| Week 11 | Monday | Apr. 1 | Chapter 7 | |
| | Wednesday | Apr. 3 | Chapter 7 | Lab |
| | | | | |
| Week 12 | Monday | Apr. 8 | Chapter 7 | |
| | Wednesday | Apr. 10 | Chapter 11 | |
| | Thursday | Apr. 11 | | **Assignment 5** |
| | | | | |
| Week 13 | Monday | Apr. 15 | Chapter 11 | |
| | Wednesday | Apr. 17 | Chapter 8 | |
| | | | | |
| Week 14 | Monday | Apr. 22 | Chapter 8 | |
| | Wednesday | Apr. 24 | Chapter 8 | |
| | | | | |
| Week 15 | Monday | Apr. 29 | Chapter 8 | Lab |
| | Wednesday | May 1 | Chapter 8 | |
| | Thursday | May 2 | | **Assignment 6** |
| | | | | |
| Week 16 | Friday | May 10 | 10:15-12:30 | **Exam 3— Chp.7,8,11** |