SYLLABUS
M&IS 34070-002 – Programming Theory and Applications

SPRING 2013

Meeting Time and Location: **Tues, Thur. 5:30 – 6:45 PM, BSA 100**

Section Instructor: **Dr. Augustine Samba**
    http://www.kent.edu/technology/people/~asamba/

Office: **209A Van Deusen Hall**

Office Hours: **10:30 – 12:00 Monday and Wednesday**
    Other times by appointment.

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Course Description

Course provides an introduction to programming in a standard object-oriented language with an emphasis on problem-solving.

Course Prerequisites:

 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, September 9, 2012 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 Course Topics

- 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

Required 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. It is available for download at https://www.dreamspark.com. Follow the instructions for students.

Course Materials

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 materials on the site after you log on..

Course Requirements

Exercises	Points
Assignment 1	25
Assignment 2	35
Assignment 3	35
Assignment 4	35
Assignment 5	35
Assignment 6	35
Exam 1	50
Exam 2	50
Exam 3	50

Grading Scale

Grades will be assigned based on the range of percentages indicated below. There is no rounding up if are close. There is no extra credit

Grade Level	Percentage
A	93% <= score <= 100%
A-	90% <= score < 93%
B+	86% <= score < 90%
B	83% <= score < 86%
B-	80% <= score < 83%
C+	76% <= score < 80%
C	73% <= score < 76%
C-	70% <= score < 73%
D+	66% <= score < 70%
D	60% <= score < 66%
F	score < 60%

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 choose 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.

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 KSU 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 materials or complete assignments. Materials covered in class will not be covered again outside of class. It is up to you to read the materials 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 via Blackboard Learn. Absence from class is not a valid excuse for not submitting assignment. You may re-submit assignments up to the time the assignment is due with no penalty. Late assignments will be penalized 10% per day (not per class session). Assignments cannot 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).

Withdrawal Deadline

For Spring 2013, the course withdrawal deadline is Sunday, March 24, 2013.

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.

Tentative Course Schedule

Week	Topic (Reading Material)	Exercise	
1	Chapter 1: Intro to Visual Basic 2010		
2	Chapter 2: User Interface Design	Lab	[1/24/13]
3	Chapter 3: Variables, Constants and Calculations	Assignment #1	[2/1/13]
4	Chapter 3: Variables, Constants and Calculations Chapter 4: Decisions and Conditions	Lab	[2/7/13]
5	Chapter 4: Decisions and Conditions (continued)	Assignment #2	[2/15/13]
6	Chapter 5: Menus, Common Dialog, Sub Proc and Funct Proc	Exam #1	[2/21/13]
7	Chapter 5: Menus, Common Dialog, Sub Proc and Funct Proc Chapter 6: Multiform Projects	Lab	[2/28/13]
8	Chapter 6: Multiform Projects	Assignment #3	[3/8/13]
9	Chapter 7: Lists, Loops and Printing	Exam #2	[3/12/13]
10	Chapter 7: Lists, Loops and Printing	Lab	[3/21/13]
11	No Classes this week - Spring Break	Spring Recess	
12	Chapter 11: Data Files	Assignment #4	[4/1/13]
13	Chapter 11: Data Files	Lab [4/11/13] Assignment #5 [4/11/13]	
14	Chapter 8: Arrays and Collections	Lab	[4/18/13]
15	Chapter 8: Arrays and Collections	Assignment #6	[4/23/13]
16	Chapter 8: Arrays and Collections		
17	Exam Week	Exam #3	[5/7/13]