Instructor
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Texts

Primary
- Software Design with C# .NET, Thomas P. Skinner (not published, draft will be provided online free of charge). Based on VS2005, but virtually all applies to VS2013.
- Course slides available on the course web site.

Additional References
- Many other books on Windows Forms programming and C# are available from major publishers.

Prerequisites
Students must be fully competent in C++, C#, or Java, algorithms, and data structures (EC330 or equivalent is highly desirable). Operating Systems, EC440, is also desirable.

Course Goals
This will be a hands on programming and design course. When you have completed the course you will be thoroughly familiar with the use of the C# programming language for software development, have developed better software design skills, and have a working knowledge of programming Microsoft Windows using the .NET framework class library. These are some of the most sought after skills in the software industry today.

Grading
- 40% Attendance
- 60% Programming assignments

Attendance
Attendance is an imperative for success in this course. Much of the knowledge is gained through in class examples and discussion. Attendance is required and constitutes 40 percent of your grade. You will receive 2 points for every class attended up to the 40 points. There are more than 20 possible classes allowing extra classes beyond the 20 necessary for a perfect attendance score. You will receive a 0.5 point bonus for every class attended beyond 20. Bonus points apply directly to your average and are not required for achieving a perfect 100 points for the course. They will instead be used to compensate for lost points elsewhere in the course. There will be no excused absences including illness. You are strongly advised to attend all classes to achieve the best possible course grade. Do not rely
on all classes being held as this number may be less due to weather cancellations or other factors.

Late Assignments

Late assignments will be accepted up to one week after the original due date with a 50% penalty. Assignments will not be accepted beyond one week late without mitigating circumstances and prior arrangement. All students will be allowed to submit ONE assignment late WITHOUT penalty. Save your late waiver for when you absolutely need it. For example, a tough week in another course or job interviews out of town.

No extra work can be undertaken to boost a final grade. This is a Boston University policy.

Software

We will use Microsoft Visual Studio 2017 Community which is free to download from Microsoft. It will only run on a Windows operating system. Details will be provided in class.

Office Hours and Lab Assistants

I am usually available immediately before and after class and by e-mail at other times. I normally respond to e-mail quickly and that is a good way to ask a simple question.

Former students have been retained as lab assistants. They should be able to assist you via e-mail and in person with prior arrangement. They should be your primary contacts for course assistance. Contact information will be provided on the course web site.

Cheating

Any form of copying of any part of a program is plagiarism and will result in a grade of F. Students may assist one another in understanding the concepts of the course and even to the extent of having somewhat similar program designs. I urge cooperation among students in helping each other with the concepts. The line is drawn at the program code. Program code must be an individual effort. In addition to failing the course I will report all such academic misconduct to the student conduct review board.

You will not violate these rules if you never show your code to anyone else and in turn you never look at anyone else’s code.

Class Decorum

Reading newspapers or other non-course material during class is distracting to your classmates and extremely discourteous to everyone. Bring a cup of coffee if you can’t keep awake. Return from class break promptly. I have often delayed starting the class after the break waiting for students who are late. This denies your classmates of adequate lecture time. Please have the courtesy to inform me if you are unable to return. I have often delayed restarting waiting for people who never come back.

The use of laptops, notebooks, tablets, and smart phones is not permitted. All computer lids must remain closed during class. This policy is a result of chronic student abuse. You get credit for attentiveness in class and not fooling with Facebook or Twitter. If you need to bring a laptop the best place for it is under your seat. Smart phones should be turned off and kept in your backpack. Any violation of this rule will result in forfeiting the attendance points for the day.

Keys to Success in this Course

- Attend all classes. Students who do not have good attendance almost always do poorly.
- Review the course overheads and relevant book chapters in advance.
- Take notes! I always give hints about what’s important and what can cause problems with labs. Don’t rely on your memory. I can’t, and you won’t as a professional.
- Ask questions. The time to ask questions is during class when I am going over the material. If you don’t understand something speak up. I will always attempt to
answer questions. Invariably you are not the only one having a problem. It is much more productive to deal with questions during class where everyone can benefit.

- Review the course material and your notes AFTER the class to reinforce your understanding.
- Start assignments early. Most students grossly underestimate the effort required. All but the simplest assignments CAN’T be done the night before they are due. No matter how much I emphasize this, many fail to listen.

Course Web Page
This course has a web site. Assignments and other material that might be relevant to this course will be posted. In addition, I will post course grades on an ongoing basis. Each student will be assigned a personal identification number (PIN). In addition to your BU ID number you will be required to enter this PIN to access your grades. The web page will also contain copies of all course overheads in PowerPoint format. These can be viewed and/or printed as you prefer. I will give out the password to access these files in class. The course site is located at http://tomcat.bu.edu/ec447.