Cpt S 422 Syllabus
Fall 2016

Faculty	
Instructor	**TA**
Name: Evan Olds Email: evanolds@wsu.edu Office Hours: **TBD**	**TBD**
When emailing, put "CS422" or "CptS422" in the email subject, followed by additional words describing the inquiry. For example if you are emailing to get clarification on ambiguous homework instructions, the title should be something like ″CptS422 – Clarification on HW5 instructions″.	

Class Materials
http://eecs.wsu.edu/~eolds Click on the link for 422 The programming homework assignments will be here http://learn.wsu.edu (Blackboard) The quiz/test homework assignments will be here Master gradebook will be hosted here as well Each week you need to check both sites for the assignments. Online sources will definitely NOT contain all relevant course materials and you need to be in class for every lecture to take notes.

Late Policy
Exams: NO LATE/MAKEUP EXAMS Homework: No late submissions. Aim to get the HW submitted several hours in advance for EVERY assignment. Should the online website be down, you must still submit on time (via email to the TA).

Grading
• 100% of the points you can earn come from online assignments. There will be weekly assignments, some of which are purely programming, others in quiz/test form, and others a combination of the 2. • I reserve the right to take attendance on random days and give bonus points at the end of the semester for good attendance/participation. • I reserve the right to expand any of the grade ranges that are shown in the grading scale table on the next page. I will not make any listed range smaller. • Several "professional conduct" points **can be lost** over the course of the semester. These are not points that count as credit towards your actual grade, they are instead points that take away from your total should you violate the professional conduct policy one or more times. You will have 1% deducted every time one of the following occurs: ◦ Failure to communicate in a professional manner either in an email, a class assignment, or

during a class discussion.
    - Leaving class early without following up with an email explaining the circumstance (if you were not feeling well just send me an email stating this and no further details are required).
    - A few other things that are mentioned later in this document.

There are no exceptions to the above point breakdown.

Grading Scale	
Percentage Range	**Grade**
[93,100]	A
[90,93)	A-
[87,90)	B+
[83,87)	B
[80,83)	B-
[77,80)	C+
[73,77)	C
[70,73)	C-
[67,70)	D+
[63,67)	D
----	(note: there's no D- at WSU)
[0,63)	F

Monitoring Your Progress

- Check your grades on a regular basis (twice weekly should suffice) and deal with issues as soon as they arise. Contact the TA for inquiries about homework grades.
- You have the grading scale listed in this document and your grades are viewable online as soon as they've been entered. There shouldn't be any surprises by the end of the semester about your grade. Monitor your progress and change the way you work in the course if you're not maintaining a passing grade.

Learning Objectives

- Define and explain software engineering and testing terms
- Understand the inner workings of C# language features and code
- Design software that is engineered to allow for flexibility in terms of testing
- Perform formal inspections on requirements, design and test documents
- Design and implement tests based on white-box, black-box, and model based techniques
- Construct test models and plans for real world applications
- Apply a wide variety of software testing techniques to source code
- Evaluate and maintain the quality of software programs
- Construct professional testing documents, test cases, and test suites

Professional Communication

- Do not send emails that you wouldn't send to an employer. If it's not professional in the business world, then it's not acceptable in the academic world either. That's the way this class is going to be run.
- Do not spend time asking why we are focusing on particular content/material. If you don't see the application or value of the material right now, you likely will several years from now. Asking "why are we doing this?" is one of the few questions that actually falls into the "bad questions" category (yes, there are some truly BAD questions).
- I'm not going to give you answers to the test before you've taken it, nor will I extend due dates or make other policy changes. Students that continue to ask questions about this will lose the professional conduct points very quickly.
- At the end of the semester don't send emails asking for your grade. You will be able to see it after it's submitted in ZZUSIS and I will not be sending out final course grades through email.
- Also at the end of the semester don't send requests for last minute changes. I would have thought that this goes without saying but students from previous semesters have proven me wrong. If you haven't dealt with an issue prior to the final exam day, then you've missed your chance.
- Do not attempt to win back lost points on homework assignments by saying stuff like:
  - "well the instructions didn't say we had to put comments in our code" - It should go without saying by the time you reach 400-level computer science classes that you need to have a decent amount of comments in your code.
  - or
  - "well it works, so why did I lose points?" - This class is not just about whether or not your software produces correct results. That will indeed be a requirement, but it's far from the *only* requirement. Your code will need to have a flexible, extensible, and maintainable design and you are graded on these aspects as well as correctness. The homework grading guidelines have a few more details about this but it's being mentioned here to let you know that if you persist with requests for points back on these types of things then you're failing to understand what things you shouldn't be asking about. Do not attempt to convince the TA or myself to lower standards just because you didn't do well on something.

Guidelines for Getting Help

- Ask questions about concepts that you're confused about. Use in-class questions, email questions, get help from the TA, get help from tutors, or utilize whatever other sources you can find to seek help when you need it.
- I don't make exam study guides so don't ask for them. All of the material that we've covered up to each exam is the content that will be on that exam. If we have covered it, you are expected to have learned it. You don't have the right or the luxury of being told exactly which subset of the material with appear on the exams.
- Your notes that you've taken in class, homework assignments, PDF notes posted online, and code demos that I've posted are your resources for studying for exams.
- Don't ask for policy changes unless there's an emergency. "I have 4 exams this week" or "I'm overloaded with work because I didn't plan my schedule carefully" are not emergency situations.

Homework Submission Instructions

Make a ZIP file (not a rar, tar, or any other format) that contains ALL source code (.cs) files and

nothing else. The zip must also not have any nested folders. Submit online BEFORE the due date/time. In the event that the website is down, email the zip to the TA BEFORE the due date/time. You may optionally include a readme.txt file in the zip with any relevant information that you want the grader to be aware of, but obviously this does not exempt you from having to fulfill the assignment requirements for credit. Remember that if it does not compile, whether it's because your code is actually broken or you forgot to include certain code files in the zip, you will get a 0.

Homework Grading
READ THIS AND UNDERSTAND IT IF YOU WANT POINTS ON YOUR HOMEWORK

1. If it does not compile it is worth 0 points. Always.
2. If you did not include all the relevant source files in a ZIP file that you submitted, and because of this it doesn't compile, then you'll get a 0. This is 400-level computer science. If you cannot put all the required source and project files in a ZIP file, then you'll deserve that 0.
3. If you submitted an assignment through email to the TA and did not follow the instructions to remove compiled files, then the email service may block the file. EECS email accounts seem to do this and Gmail as well. In this case the email will not reach the intended destination and the TA will not receive your assignment. Consequently, you will receive a 0. If you need to send homework assignments via email to the TA because the website is down, you must remove compiled files. If you do not do this there will not be an appeal allowed for the blocked submission. You will receive a 0.
4. If time/space complexity requirements are not specifically stated in a particular problem, then any "reasonable" time/space complexity will be accepted. Note that software that takes > 10 seconds for just about anything we do in this course is probably NOT reasonable. You can't have a time complexity so bad that it takes an unreasonable amount of time to compute things. You also can't do things like allocate 4GB of memory to perform an operation. If it wouldn't be reasonable for simple industry software, then it is not reasonable in this course.
5. The design must show effective use of object-oriented programming concepts. If you write a bunch of code that does not utilize C# language features well, then you can be penalized for this.
6. "It worked when I tested it". Great, but if it doesn't work when the TA(s) test it, then you can certainly get a poor grade on the assignment. Look in the comments associated with your assignment grades online and the TA will explain what you missed points on. If you are uncertain as to why things went wrong when they ran your code, schedule an office hour with them to discuss it.
7. Read the instructions carefully. Not understanding the instructions means you're probably going to lose points and you won't be given those points back just by claiming "I misread it". If there are ambiguities about an assignment, ask me for clarification before you start the solution implementation.
8. As mentioned in a previous point, TAs will enter comments on your assignment grades online. Check your grades often at http://learn.wsu.edu.
9. You are expected to need to use certain outside sources to help learn the necessary material for many assignments. Keep track of sources you use, web searches you do, and general search phrases that are or are not helpful. You may have assignments during the semester that actually require you to reflect on your independent learning. Cite sources by using comments in your code.

Academic Integrity
Read the statement at http://academicintegrity.wsu.edu/resources-for-faculty/sample-wsu-syllabus-statements/ Stuff like this shouldn't be new to you at this point. Do your own work.

Accessibility Accommodations
WSU provides accommodations for medical, psychological, development, and other conditions that may impact academic work. However, instructors/professors aren't given any information about such conditions so if you need accommodations you need to initiate this process. Go to the WSU access center first to get the necessary forms and then bring them to me so that we can discuss them and then I can provide signatures for the necessary documents.

The calendar with exam dates and homework due dates follows on the next page.

Calendar	
Date	**Event**
Monday, August 22	The first day of instruction for the term.
Friday, September 2	**HW1 Due**
Monday, September 5	Labor Day--ALL UNIVERSITY HOLIDAY.
Friday, September 9	**HW2 Due**
Friday, September 16	**HW3 Due**
Tuesday, September 20	Deadline for dropping a course without record.
Friday, September 23	**HW4 Due**
Friday, September 30	**HW5 Due**
Friday, October 7	**HW6 Due**
Friday, October 14	**HW7 Due**
Friday, October 21	**HW8 Due**
Friday, October 28	**HW9 Due**
Friday, November 4	**HW10 Due**
Friday, November 11	Veteran's Day--ALL UNIVERSITY HOLIDAY, so there will be no class, but **HW11 still due**
Friday, November 18	**HW12 Due**
Monday, November 21	Thanksgiving vacation begins
Friday, November 25	Thanksgiving vacation ends
Friday, December 2	**HW13 Due**
Friday, December 9	Last day of instruction for the term **HW14 due**
Monday, December 12	Final examinations begin
Friday, December 16	Final examinations end
Wednesday, December 21	Final grades available in ZZUSIS