CSE/ISE300 Communications S12

• Time: Tue/Thur 5:20-6:40PM
• Location: Room E4315 Melville Library, 4th floor, east wing
• Required Book: The Elements of Style, 4th edition (Sep 1999), by Strunk & White, 978-0205313426, $10 new (or $5 bookstore rental)
• Free Online Webbook: Technical Writing, by David McMurrey http://www.prismnet.com/~hcexres/textbook/
• Recommended Text: Pocket Guide to Technical Communication, 5th ed. (2010), by Pfeiffer, 978-0135063965 $43 SBU new, $22 rent; $29 Amazon new
• Instructor: Professor Larry Wittie  TA: Eric Papenhausen
• Office: CS Building, Room 1308  TA Help: 12-1:30pm Wed, 2110 cs
• Phone: 631-632-8750  (not 2-8456)
• Email: lw@ic.sunysb.edu
• Office Hours: 4-5pm + 7-7:30pm Tue/Thu or by appointment
• Course Homepage: http://www.cs.sunysb.edu/~lw/teaching/cse300

Memo2 handed back on Thur 12 April.
Sample Questions in Older Exams

In each blank, write one of the choices as the proper word to complete the sentence.

**used/utilized**  She ______________ Google to search the Internet.

**can/may**  Mother, I have cleaned my room. __________ I go out and play now?

**submitt/submit  separate/seperate**  _______ your bid for the job in a sealed envelope, _________ from all other letters to this agency.

Rewrite these sentences to express the same thoughts better.

Frightened by the flames, the exit was barely visible to them.

There were six managers who presented the welcoming lectures for new employees.
B+ ← Grade for your Memo 2 paper.

Title of Your New Computer Talk

Your Name

Advisory grade for 35% of course score → B
Grade Counts for Memo 2 Paper

Count Memo2 Grades S12 '300
Advisory 35% of Course Grade Counts

Count Interim 35% Grades S12 '300

A+  A  A-  B+  B  B-  C+  C  C-  D+
95  93  91  89  87  85  83  81  79  77
A+  A  A-  B+  B  B-  C+  C  C-  D+
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Paper 3 Code Documentation

The final and major paper for this course will be due Tues 1 May, both a printed version submitted at start of class and a single source file (doc or docx) email to lw@ic... with the Subject: line containing 300 paper 3 code. Paper 3 counts for 30% of your cumulative score, which will determine your final course grade of A, B, C, or F. A passing grade is mandatory for graduation.

Your paper 3 must be four to six prose text pages of effective final documentation for a significantly large program that you have written. The code should be 100 to 600 lines that you personally have written and must be included as an appendix to your paper. All the rules for what counts as text in the first two papers apply for paper 3. The code in the appendix and any code quoted in the body of your paper do not count in the minimum of four pages.

Your prose must be interesting to read but must explain your code carefully enough that another professional can take responsibility for it and easily make changes to maintain and improve it.
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Size Requirements for Paper3

Paper 3 must be at least 4 pages long, excluding lines that do not contain English prose text written by you and excluding the appendices. To be safe on length, aim for 5 pages of counted lines with a total of 150 lines and 1,800 words that count.

Remember that only prose lines written by you count - not tables of contents, tables of figures, section headers, figures, tables, captions for figures or tables, numbered or bulleted lists, blank lines, quoted text, reference to sources, the title for your paper, or your name.

However, most of the non-counted items can make your paper more interesting to read and improve your grade. Full text lines must be at least 6 inches wide and contain an average 12 to 15 words. Each full page must have 30 or more lines (whether or not counted) spaced by 1.5, not single-spaced and not double-spaced.
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Suggestions for Paper 3 Contents

In grading paper3, I expect to see a number of factual details that will help a programmer if she has to modify your code:

What are the code’s major function, its inputs and its results?

Who wrote the code, for what initial purpose, and when?

Tersely, what are the major algorithms and data structures?
(Do not enumerate every module, like every tree in a forest.)

What are the major limitations of the code, its internal data structures, and any data structures assumed for its inputs?

How thoroughly was the code tested and with what input data (an appendix should list one or more complete test sets)?

What code parts do not yet work? What is needed to fix them?

What portions of the code are particularly tricky and may cause undesired side effects if changed hastily?

What changes would you have made to the code if you had had more time to work on it? Why would they have improved it?

What special advice do you give anyone changing the code?
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In-Class Outline - Main Parts of Paper 3

Working Title for Your Paper
Your Name    Today’s date

What was your code’s main function?
What were its inputs and its results?

Who wrote the code (you or you as part of a team),
for what initial purpose or course, and when?

Short outline: what major algorithms and data structures?

   Plus short paragraphs on these topics.

What code parts do not yet work? What is needed to fix them?
What portions of the code are particularly tricky and may cause
undesired side effects if changed hastily?
What changes would you have made to the code if you had more
time to work on it? Why would they have improved it?
What special advice do you have for anyone changing the code?