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)
- 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

**Graded paper 3 draft copy back Thur 4/26/12. Graded exam back next week. Paper3 due as email and printed copy by Tues 5/1.**
Two Grades on Streamers

Your Paper3 Draft (not yet graded)
Grade for your
computer talk→ A-
Steamer Talk=> A-  55% Grade=> B+  Your Name

Advisory grade for 55% of course score  →  B+
Grade Counts - New Computer Talk

Grade Counts Computer Talks S12 '300

<table>
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<th>mx-mn talk grade</th>
<th>A+</th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
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Grade Counts for Memo 2 Paper

Count Memo2 Grades S12 '300

# Count

A  A-  B+  B  B-  C

Tu24apr12  Lect25 Slide  4
Advisory 55% of Course Grade - Counts

Counts Interim 55% Grades S12 '300

- **A+**: 95
- **A**: 93
- **A-**: 91
- **B+**: 89
- **B**: 87
- **B-**: 85
- **C+**: 83
- **C**: 81
- **C-**: 79

Tu24apr12  Lect25 Slide 5
Advisory 35% of Course Grade Counts

Count Interim 35% Grades S12 '300

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Tu24apr12

Lect25 Slide 6
CSE/ISE 300

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.
CSE/ISE 300
Size Requirements for Paper 3

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 with about 150 counted lines in 12 font and 1,800 to 2,200 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. Maximum length of text part of paper is 10 pages, including uncounted items. Appendix must not exceed 8 pages: code in appendix may be in small font and 2 or 3 columns.

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.
CSE/ISE 300

Suggestions for Paper 3 Contents

In grading paper 3, 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, of its internal data structures, and of any structures assumed for its input data?
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 more time to work on it? Why would the changes have improved it?
What special advice do you give anyone changing the code?
Remember to end your paper with a Conclusions paragraph, followed by an Appendix with all the Code and precise References to all your sources.
CSE/ISE 300
Main Parts of Paper 3: 4/17 In-Class Outline
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?
CSE/ISE 300
Grading Criteria Categories for Paper 3

Do (110)
  Mechanics: (25)
  Organization: (15)
  Structure: (20)
  Mea Culpa: (15)
  Clarity & Formatting: (20)
  Style: (10)
  Bonuses: (5)

Don’t (-30)

Details will follow.