1. Course Description

This course teaches the most important and useful non-trivial computer literacy. It teaches real life problem solving using the technology behind the Internet, software tools, and automation through programming. Topics include creating and maintaining a useful website, extensible browser, collaboration software, spreadsheet design and programming. Anybody from computer novice to experienced user can benefit from this course, for life. Prior computer experience is not required. All classes are hands-on.

2. Topics

- How to create and maintain a useful web site.
  See http://zen.sandiego.edu/luby/cs100 for students work.
- Why one should use a tabbing and extensible user agent (browser) such as Firefox. Browser extensions.
- Use server-side bookmarking such as http://del.icio.us and server-side calendar such as Google Calendar.
- Use Collaborating software such as Google Docs and Spreadsheets.
- Use iPod for learning: podcasts and audiobooks.
- Use Skype for making calls and for conferencing.
- Effective use of email programs.
- Manage remote accounts using ssh/ scp.
- Why you should back up your data cross network, and how to do it.
- Use office suites to automate. Examples: resume template, mail merge and spreadsheet design.
- Computer programming. Example programs include an alarm clock simulator, a math tutor and a blackjack game.

3. Required Text

- The Internet Book, by Doug Comer

4. Recommended Books

- USD Academic planner 2008 - 2009, USD Bookstore
- The Elements of Style, by Strunk & White
5. Classrooms, Office, Web Site and all that

Classrooms
S155 most of the time
S134 and S156 A/B labs sometimes

Office
S146

Office Hours
10 to 12 MWF, and by appointment.

Phone
619-260-4021(o)
858-452-7644(h)

Class Web Site
http://home.sandiego.edu/~liao or http://zen.sandiego.edu directly

e-mail
liao

6. Grading System

Your grade consists of 4 components:
1. 15% Notes, Quizzes, and Short homework problems due in a day or two
2. 30% More substantial homework assignments
3. 25% Two tests
4. 30% Comprehensive Final

7. Final
- Wed, Dec 17, 8 to 10