

1. Required Textbooks

- *Rapid Web Applications with TurboGears: Using Python to Create Ajax-Powered Sites*, by Mark Ramm, et al

2. Resources

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- *Webmaster in a Nutshell*, published by ORA
- *Linux in a Nutshell*, published by ORA
- *Professional Apache 2.0*, by Peter Wainwright
- *The Django Book*, at <http://www.djangobook.com/>
- *Zope Bible*, by Berstein & Robertson. This wonderful book is out of print.
- *The Zope Book*, at <http://www.zope.org/Documentation/Books/ZopeBook>
- *The Zope3 Book*, at <http://dev.zope.org/.../ComponentArchitecture/FrontPage/Zope3Book>
- *Dive into Python* at <http://diveintopython.org>
- *Python Network Programming*, by John Goerzen
- *How to set up and maintain a web site (1997)* (Perl-based, very readable, but out-dated), by Lincoln Stein
- More will be mentioned in class.

3. Topics

- HTTP
- HTML, CSS and XML
- JavaScript and Document Object Model; Firebug
- JavaScript toolkits and libraries: dojo and MochiKit
- Apache Web server
- Database connection, using Postgresql
- Using Zope as a learning tool and for production
- Model-View-Controller paradigm
- Application development using TurboGears and Django
- Ajax
- Session management
- Security
- Semantic web

3. Office, Web Site and all that

Office S146

Office Hours

10-12 MWF, and by appointment.

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

Class Web Site

<http://home.sandiego.edu/~liao> -> cs494

e-mail liao

4. Grading System

Your grade consists of 5 components:

1. **15%** Notes, Quizzes, and Short homework problems due in a day or 2
2. **35%** More substantial homework assignments
3. **20%** Midterm exam
4. **5%** Term Project
5. **25%** Comprehensive Final

5. Final

- Wednesday, Dec 19, 5 to 7