Syllabus for CS 460 -- Advanded Web Programming

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Intro

CS460 is a class designed to teach students how to run programs that recieve input and output from the Web, and to put computerized databases onto the web. This means placing real live programs and databases, with data that might change on the fly, and with search capabilities, into an HTML format.

The class will cover

- Easy Stuff
  - Basic web architectures
    - Review the basics
    - Caching (and defeating it)
    - Accounting
  - HTML including
    - The Web (client/server) paradigm
    - Basic HTML form
    - HTML Forms
    - Basic graphic design stuff
- Database concepts, including
  - Definitions of tables and relations, rows, fields, etc.
  - Relational algebra
  - SQL statements like SELECT, CREATE, etc.
  - (Maybe) Data normalization
- Perl
  - Perl syntax
  - Perl subroutines and functions
  - Perl database operators
  - CGI scripting with Perl
- PHP
  - PHP Syntax
  - PHP and databases
  - Making images and pictures in PHP
- JavaScript
  - Basic syntax
  - Validating forms using Javascript
  - Fancy web graphic tricks using Javascript

Grades

Each section will count equally towards your grade. Within each section there will be one baby project and one large project and one written test. The projects and the test count equally. . It IS fair game for tests to refer to previous material. For example, it is quite reasonable that the perl test might require HTML knowledge.

DISABILITY SERVICES

If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office at 2001 C. B. Hedgcock (227-1700; TTY 227-1543). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state and University guidelines.