

CSCI351: Programming and Multimedia on the World Wide Web

Course Coordinator

Bill Cheng

Other instructors for course

None

Textbooks and other required materials

“Internet & World Wide Web – How to Program”, 3rd Edition, Prentice Hall 2003
By H. M. Deitel, P. J. Deitel, and A. B. Goldberg,

Major Topics

1. Basic design techniques for producing web pages. Use of HTML and Cascading Style Sheets. Creating forms.
2. Installation and configuration of a web server. Understanding of the HTTP protocol.
3. Programming in the Perl language, use of regular expressions.
4. Building various types of server-side applications using Perl.
5. Building server-side relational database applications using Perl and interact with the relational database using SQL.
6. Design and development of client-side web applications using JavaScript.
7. Manipulate XML data and objects in web pages with JavaScript using the DOM programming interface in client-side web applications.