Final Exam Study Guide
Thursday, May 8, 2003 – PHYS 111 from 7:00 – 9:00

Final Exam will consist of 99% multiple choice. (If there are any, at most there would be 1 or 2 hand written problems). Material covered includes all lectures, labs, projects, reading assignments, and examples.

Server-Side Technology	Aliasing
Client-Side Technology	Types of Relationships
Advantages/Disadvantages of ASP	Objects
CGI	Methods
Difference between HTML & ASP	Properties
Server-Side Includes	Coding Techniques & Programming practices
Commenting code	Indentation
Importance of programming	Vertical Alignment
Request object	Naming conventions
Response object	Combining ASP & SQL
Session object	Concatenation
Session vs. Cookies	Syntax for executing queries
Post vs. Get	Trimming DB data
Request.Form vs. Request.QueryString	Scalability
Connection to DB – when to have one	3-Tier System
RecordSets – when to use them	N-Tier
Server Variables	Web Farms & Load Balancing
File System Object	XML & XSL
Reading & Writing Files	Progression from HTML to XSL
Absolute and Relative Paths	Wellformedness constraints
File uploading	Valid documents
Modes of operation (admin, user, etc)	Advantages / Disadvantages of XML
Sending email	XML Trees
Data, DB, DBMS	DTD & Schemas
SQL	XSL Templates
Tables, Records, Fields	param vs. variable
Primary Key	value-of, select, for-each, if
Primary Key References	Selecting attributes vs. elements vs. variables
Foreign Key	Transforming XML & XSL using ASP
Foreign Key References	Combining ASP & XML
Integrity Constraints	XML DOM
SELECT	Traversing child nodes
INSERT, UPDATE, DELETE	Selecting attributes and elements
CREATE (in SQL and Design view)	