

# Table of Contents

Introduction.....	5	Generating Relative Times.....	50
What this Course is About.....	6	Exercises.....	51
PHP Review.....	8	Sending Simple Emails with PHP.....	52
PHP Basics.....	9	Using PHP's Email functions.....	53
Working with Arrays.....	14	Sending Simple Emails.....	55
Sorting Arrays.....	17	Sending HTML Emails.....	59
Variable Scope in PHP.....	19	Working with Web Forms.....	61
Arithmetic Operators.....	21	Exercises.....	64
Comparison Operators.....	23	Perl Regular Expressions.....	65
The If and While Constructs.....	26	Object Oriented Programming and PHP 5.....	67
Exercises.....	27	PHP 5 Objects.....	68
Functions.....	28	Class Inheritance.....	69
Declaring Functions.....	30	Autoloading Classes.....	70
Passing Data By Reference.....	32	Constructors and Destructors.....	72
Variable Arguments.....	34	Member and Method Visibility.....	74
Including Code in Scripts.....	35	The static Keyword.....	75
Exercises.....	36	Abstract Classes.....	77
Managing Web Sessions.....	37	Object Interfaces.....	79
Using PHP Session Handling.....	38	Overloading.....	80
Managing Sessions Across Multiple Servers.....	40	Class Members.....	83
PHP Cookie Handling.....	42	Exercises.....	84
Exercises.....	44	PHP Design Patterns.....	87
Handling Date & Time in PHP.....	46	About Design Patterns.....	88
Displaying Dates & Times.....	47	The Factory Pattern.....	89
Parsing a Date or Time.....	49	Exercises.....	92

The Singleton Pattern.....	93	An XML-RPC Conversation.....	133
The Observer Pattern.....	95	Creating an XML-RPC Client.....	135
The Chain of Command Pattern.....	97	Encapsulating Values with XML_RPC_Value().....	137
Exercises.....	99	Retrieving Data from XML_RPC_Value() Objects.....	139
Try/Catch Exception Handling		Sending the Message & Receiving the Response.....	141
.....	100	A Sample XML_RPC Client.....	143
Handling PHP Exceptions.....	101	Exercises.....	144
Using Try/Catch Blocks.....	102	Creating an XML_RPC Server.....	145
The Exception Object.....	104	A Sample XML_RPC Server.....	148
Generating Custom Exceptions.....	105	Sending Multi-Part Email.....	151
Multiple Catch Blocks.....	106	The PEAR::Mail Class.....	152
Default Exception Processing.....	107	Initializing PEAR::Mail.....	154
Exercises.....	108	Sending a Message.....	158
Debugging PHP Code.....	109	Exercises.....	160
PHP Error Handling.....	110	Using the PEAR::Mail_Mime Class.....	161
PHP Debugging Tools.....	111	Creating a new Mail_Mime Object.....	162
Creating Conditional Debug Code.....	114	Sending Messages with HTML and Text.....	163
Creating Custom Error Handlers.....	115	Attaching Files.....	164
Suppressing Errors.....	117	Attaching Graphics.....	166
Exercises.....	118	Generating the Body & Adding Custom Headers.....	168
Leveraging Existing Code		Exercises.....	170
using PEAR and PECL.....	119	Accessing Databases using PHP.....	171
Introduction to PEAR.....	120	Using PHP Data Objects (PDO).....	172
Exercises.....	125	Installing PDO.....	173
Building Client-Server Applications.....	126	PDO Objects.....	174
Client Server Programming Models.....	127	PDO Errors.....	176
Understanding XML-RPC.....	130	Specifying Connection Properties.....	178



Closing Connections.....	181	Combining Modifiers.....	221
Constructing & Executing Queries.....	182	Smarty Conditionals.....	222
Executing DML and DDL Queries.....	184	Looping Through Values.....	223
Executing SELECT Queries.....	186	Using {section}.....	224
Statement Objects (& Query Results).....	187	Using {foreach}.....	228
More on Fetching Results.....	190	{foreach} Examples.....	229
Transactions.....	191	Exercises.....	231
Exercises.....	194	Other Common Smarty Functions.....	232
Smarty Templates.....	196	Exercises.....	236
Understanding Smarty Templates.....	197	Common Smarty Class Variables.....	237
How Smarty Works.....	198	Common Smarty Methods.....	239
Installing Smarty.....	199	Exercises.....	242
Setting up Smarty.....	200	Using Smarty Caching.....	243
Setting Smarty Directories.....	202	Setting Up Caching.....	244
Creating the Smarty Object.....	203	Using Caching.....	245
Creating TPL Files.....	205	Multiple Caches Per Page.....	246
Setting Up Config Files.....	209	Common Caching Methods.....	247
Displaying the Output.....	211	Mix & Match Caching.....	249
Exercises.....	212	Scaling Caching.....	250
Smarty Variable Modifiers.....	213	Exercises.....	252
Escaping Data.....	219	PHP Best Practices.....	253