

Class Name: *UNIX Shell Programming*
Level: Intermediate
Duration: 3.0 days
Audience: Programmers and users with previous experience using UNIX
Description: Hands-on applications of writing and developing shell programs. Features include using *Korn* shell command history recall, functions and aliases, proficiency using the *vi* text editor, creating shell programming using logical constructs, and manipulating files with specific utilities. Covers 25-30 of most commonly used commands for shell programming. An excellent follow-up to the *UNIX Jumpstart* and/or *Introduction to UNIX* classes.

Outline:	<u>Module Description</u>	<u>Time in Hours</u>
	• References & Documentation	.25
	• Using and Creating Shell Programs	2.00
	• The <i>vi</i> Editor, including:	2.00
	- <i>set</i> commands	
	- Unnamed & named buffers; moving and copying text	
	- Macros: using the <i>map</i> command	
	• Introduction to <i>Korn</i> Shell	1.00
	• File Redirection & Pipes	1.75
	• Variables	1.50
	• Shell Processes and forks	1.50
	• Shell Constructs: The case statement	1.50
	• Shell Constructs: The if statement	1.50
	• Shell Programming: the test statement	1.00
	• Shell Constructs: The while and until statements	1.50
	• Shell Constructs: The for statement	1.50
	• Shell Programming: Nested & Modular Programs	2.00
	• Nested and Modular Programs	
	• UNIX Command Summary Guide	
	- Covered commands include: break, case, cat, chmod, continue, cut, exit, export, file, grep, jobs, let, ls, nice, nohup, print, rm, set, shift, tail, tee, test, unset, wc	3.00
	Approximate Total Time	24.00 hrs