Course Title:  Shell Scripting III

Course Description:
This course teaches the built-in commands that control testing, branching and looping in shell scripts, taking user input, printing and formatting output. Additionally, sourcing of files/variables is covered along with an introduction to menu-driven programming. Concepts taught are reinforced with comprehensive Labs and hands-on assignments.

Course Prerequisite(s):
Shell Scripting Part 2 or equivalent

Course Objectives:
Introduce shell programming commands, capturing user input, controlling script outputs, and using menus for students who want to understand and/or create useful shell scripts.

Student Expectations:
Need access to UNIX/Linux workstation/server/virtual machine to become proficient with concepts taught in this class.

Textbook(s): (OPTIONAL)
UNIX Shell Programming Third Edition
Stephen G. Kochan and Patrick Wood
Publisher: SAMS ISBN: 0-672-32490-3

Next Class Possibilities:
Shell Scripting Part 4

Saturday Morning
Session 1:  Branching constructs
    if-the-else
    case-esac
The test command
    Formats
    Comparison operators
Pipelining
    Format
    Caveats
Looping constructs
    Finite
    Unknown duration
Infinity
    Creating/controlling it in shell scripts
Session 2: The read command
Using backslash characters with echo
Formatting with the printf command

Saturday Afternoon
Environment variables
  Location
  Sourcing
The scope of variables
The exec command
Creating/using menus in scripts

Session 3: Potpourri
ENV and SHELL
Shell history
Command completion
Job control