

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: UNIX 7050

Course Title: Shell Scripting 3

Course Description: Using built-in commands that control testing, branching and looping in shell scripts; taking user input; printing and formatting output; sourcing of files/variables and introduction to menu-driven programming. Concepts taught are reinforced with comprehensive Labs and hands-on assignments.

Suggested Course Prerequisite(s): Shell Scripting 2, or equivalent experience

Course Resources: (OPTIONAL) UNIX Shell Programming Fourth Edition
by Stephen G. Kochan and Patrick Wood
Publisher: SAMS ISBN: 978-0134496009

Students need access to UNIX/Linux workstation/server/virtual machine to become proficient with concepts taught in this class.

Student Learning Outcomes:

Demonstrate familiarity with using Shell branching constructs, read command and environment variables.

Certification Notes:

Next course recommendation: Shell Scripting 4

Lesson Plan – by week or session:

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
The read command; Using backslash characters with echo; Formatting with the printf command
Environment variables:Location, Sourcing
The scope of variables
The exec command
Creating/using menus in scripts
Potpourri, ENV and SHELL, Shell history, Command completion, Job control

Course Sessions:

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation:

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

Refund Policy:

Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act:

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.