

Spokane Falls Community College
COURSE LEARNING OUTCOMES AND OUTLINE

Prefix and Course Number
Course Title

ISIT 444
AUTOMATION/CONFIGURATION MANAGEMENT

Last Modified: Fall 2015

Course Learning Outcomes

By the end of this course, a student should be able to:

- Describe and apply scripting techniques for simple administrative tasks
- Identify and apply best practices for system logging
- Identify and apply best practices for system monitoring
- Identify and apply best practices for system automation
- Use regular expressions
- Automate administrative tasks in Windows and Linux operating systems
- Identify and apply system deployment automation techniques
- Describe key change management concepts

Course Outline

1) Automation of Administrative Tasks

- a) System Logging
- b) System Monitoring
- c) System backup and archival

2) Active Directory

- a) Security Logging
- b) Group Policy Objects
- c) Powershell Scripting

3) Linux Automation

- a) Cron
- b) PERL
- c) Python

4) System Component Configuration Manager

- a) Installation
- b) Windows Deployment Server