



Syllabus

CSC 248 PowerShell

General Information

Date

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Author

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Department

Computing Sciences

Course Prefix

CSC

Course Number

248

Course Title

PowerShell

Course Information

Credit Hours

3

Lecture Contact Hours

3

Lab Contact Hours

0

Other Contact Hours

0

Catalog Description

This course features extensive hands-on systems administration tasks through PowerShell, as used in industry today. Topics include automating tasks, cmdlets, providers, the pipeline, objects, formatting, filtering, remoting, writing scripts, and more.

Prerequisites

CSC 260

Co-requisites

None

Grading Scheme

Letter

First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

FLCC Values

Institutional Learning Outcomes Addressed by the Course
None

Course Learning Outcomes

Course Learning Outcomes

1. Demonstrate usage of command line syntax to accomplish tasks
2. Write scripts to automate processes that accept multiple inputs and produce customized output
3. Find and select the appropriate parameters for a given command

Program Affiliation

This course is required as a core program course in the following program
AAS Computer Information Technology

Outline of Topics Covered

1. Automating tasks through scripting and cmdlets
2. Using providers as adapters to get access to data stores
3. Passing data and objects through the pipeline
4. Discovering object members and putting objects into action
5. Sorting, filtering, and measuring output
6. Using remoting to perform administrative tasks on other machines
7. Writing original effective scripts for systems administration purposes