

| | |
|-------------------------|--|
| CLASS NUMBER AND NAME: | CSN111B- Advanced Powershell |
| TOTAL HOURS/ UNITS: | 24 HOURS/1.0 UNIT |
| PREREQUISITES: | CSN212-Windows Server Network Infrastructure |
| TEXTS AND MATERIALS: | <i>Windows PowerShell :TFN 4th edition</i> Jason Helmick and Mike F Robbins, Sapien Press, 2014 (ISBN 9780981231466) |
| CLASS DESCRIPTION: | Lecture and hands on exercises focusing on the advanced features of Windows Powershell. |
| CLASS OBJECTIVES: | To provide the student with the skills to utilize the advanced features of Windows Powershell. |
| CLASS FORMAT OVERVIEW: | <p>This class is a combination of lecture and lab.</p> <p>Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.</p> |
| METHODS OF INSTRUCTION: | As lecture and lab are the principal means of instruction, it will be expected that all students will be present every day to take part in class. |
| ATTENDANCE: | <p>It is expected that each student will be in class <u>when class begins</u>. Should the student arrive more than <u>ten minutes late</u> they should notify the instructor of their presence, it will be up to the instructor to decide if the student has arrived in time to be counted as present- the instructor's decision is final.</p> <p><u>80% attendance is mandatory</u></p> <p>It will be the student's responsibility to learn of any assignments given in class when absent.</p> |
| TESTING: | Quizzes will be given throughout the mod as well as a cumulative final exam. All quizzes, examinations, exercises and homework must be satisfactorily completed with a passing grade of 60% or better in order to pass the course. |
| LATE TESTING: | <u>Late testing is only allowed at the instructor's discretion.</u> |
| GRADING POLICIES: | The grading system is comprised of attendance, assignments, weekly tests, and a Final exam . |

Assignments = 25%
Attendance = 15%
Weekly Exams = 35%
Final exam = 25%

Total Points = 100%

Combined grades for the above categories will be graded on the following scale:

90-100% = A
80-89% = B
70-79% = C
60-69% = D
0-59% = F

**ANTICIPATED LEARNING
OUTCOMES:**

Upon completing this course, the student will have an understanding of:

- 1.Powershell Remoting.
- 2.Background and scheduled Jobs.
- 3.Turning Scripts into reusable tools.
- 4.Creating reusable tools.
- 5.Creating custom output.
- 6.Adding Comment based Help.
- 7.Understanding Debugging and Error handling features
- 8.Create a WinForm Tool
- 9.Manage state configuration from Powershell.
- 10.Manage Event Logs from Powershell.

Earned a passing grade in the course by earning a D or higher

6 Week Tentative Schedule

CSN111B

Week 1

Chapters 13,14

Thurs: Homework due

Week 2

Chapters 15,16

Thurs: Homework due

Week 3

Chapter 17,18

Thurs: Homework due

Week 4

Chapters 19,20

Thurs: Homework due

Week 5

Chapter 21

Thurs: Homework due

Week 6

Chapter 22

Thurs: Homework due

